

## SEQUENCE LISTING

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 Xu, Jiangchun

<120> COMPOSITIONS AND METHODS FOR THE THERAPY  
 AND DIAGNOSIS OF OVARIAN CANCER

<130> 210121.484C6

<140> US

<141> 2001-10-02

<160> 215

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 303, 370, 377, 382

<223> n = A,T,C or G

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ccacagaacc ttcacgtgta ttcacagcct caatgccata aggaaactct tttagaagtt 180
ctgacagctg gtcagttagg tataagacag gtgccttata actgtggatt tcatttcttg 240
caggatcttg gggagtatag ttgctggatg catctatttc ctgagggtaa atatcctcct 300
ggncgacgcg gccgctcgag tctagagggc ccgtttaaac ccgctgatca gcctcgactg 360
tgcttctan ttgccancca tntgttggtt gccctt                                     396

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<210> 2

<211> 396

<212> DNA

<213> Homo sapiens

<400> 2

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cgaccaaaaa gtaaactcca agtgaacatc aaatcaaata taatcctttt ggccacatga 60
ctggttggtc tttatctcat agttacaatg aatcatataa actgtagact gccactacca 120
cgatacttct gtgacacaga aggaatgtcc tatttgcccta tctatctgag gaatgttaaa 180
tagagaaaaa tagattataa aacaacctgg aggtcacagg attctgagat aatccctctg 240
ttaaaaaaca tctgaacagc aaatgtccaa tctgtaataa aatagttaaa ggtccaagtc 300
aagtccactt ctacttggct ggcccagcac aagaaatcta acagcacttt gtaatcattt 360
tgcttttcta attttcccg aggacatggg ccattg                                     396

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<210> 3  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 22, 28, 29, 30, 33, 36, 41, 43, 45, 46, 53, 56, 58, 61, 64,  
 69, 70, 74, 75, 78, 83, 84, 85, 102, 143, 335  
 <223> n = A,T,C or G

<400> 3  
 cgcccttttt tttttttttt tnattggnnn aantcncctt nantnnaaaa acntgnangg 60  
 naanccann cccnngnac cannnccagg agttgggtgg anactgagtg gggtttgtgt 120  
 ggggtagggg gcctctactc ctnttgcaac aagccaaaag tagaacagcc taaggaaaag 180  
 tgacctgctt tggagcctta gtccctccct tagggccccc tcagcctacc ctatccaagt 240  
 ctgaggctat ggaagtctcc ctctagtctc actagcaggt tccccatctt ttccaggctg 300  
 cccctagcac tccacgtttt tctgaaaaaa tctanacagg cccttttttg gtacctaaaa 360  
 cccagctgag gttgtgagct tgtaaggtaa agcaag 396

<210> 4  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 13, 15, 21, 27, 34, 37, 41, 57, 58, 59, 63, 64, 71, 72, 77,  
 78, 83, 87, 93, 170, 207, 210, 308, 379, 382, 389, 391,  
 392, 393, 395  
 <223> n = A,T,C or G

<400> 4  
 gaccaatctt tgnncacta ncaaaangac cccnctnacc nccaggaact gaacctnnnt 60  
 gttnacctcc nctgcnnag cntatntcc aanatcacc accgtatcca ctgggaatct 120  
 gccagcctcc tgcgatcaga agagaccaat cgaaaatgag ggtttcacan tcacagctga 180  
 agggaaaggc caaggcacct tgcggnggn gacaatgtac catgctaagg ccaaagatca 240  
 actcacctgt aataaattcg acctcaaggt caccataaaa ccagcaccgg aacagaaaaa 300  
 gaggcctnag gatgcccaag aaacactttt gatcctttga aaactgtacc aagggtaccgg 360  
 ggggagaccc aggaaaggnc cnttatgtnt nntnt 396

<210> 5  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 135, 172, 343, 348, 354, 395  
 <223> n = A,T,C or G

<400> 5  
 gacgcggag ctgcgcgcc agtcgcctag caggctctct accggttat tctgtgccc 60

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gatcttcacg ggcacagggg ccaactgagac gtttctgcct cctcttttct tcctccgctc 120
tttctcttcc ctctngttta gtttgcctgg gagcttgaaa ggagaaagca cnggggtcgc 180
cccaaaccct ttctgcttct gcccatcaca agtgccacta ccgccatggg cctcactatc 240
tcctccctct tctcccgaact atttgccaag aagcagatgc gcattttgat gggttgattg 300
gatgctgctg gcaagacaac cattcttgat aaactgaaa tanggganat aagnaccacc 360
atttctacca ttgggtttta tgggggaaac agtana 396

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<210> 6
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 212
<223> n = A,T,C or G

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<400> 6
acgggagggc cggggaagtc gacggcgccg ggggtcctg caggaggcca ctgtctgcag 60
ctcccgtaga gatgtccact ccagaccac cctggggcg aactcctcg ccaggtcctt 120
ccccggggcc tgcccttccc ctggagccat gctggggcct agcccgggc cctcgccggg 180
ctccgcccac agcatgatgg ggcccagccc angggcggc ctgagcagga caccocatcc 240
ccaccagggg gcctggaggg taccctcagg acaacatgca ccagatgcac aagcccatgg 300
agtccatgca tgagaagggc atgtcggacg acccgcgcta caaccagatg aaaggaatgg 360
ggatgcggtc agggggccat gctgggatgg ggcccc 396

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<210> 7
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 7
accgagaggt cgtcgggggt tcctgcttca acagtgcttg gacggaaccc ggcgctcggt 60
ccccaccccg gccggcgccc catagccagc cctcgtcac ctcttcacgg caccctcgga 120
ctgcccgaag gccccgcgg ccgctccagc gccgcgcag caccgcccgc gccgcgcct 180
ctccttagtc gccgccatga cgaccgcgtc cacctcgag gtgcgccaga actaccacca 240
ggactcagag gccgccatca accgccagat caacctggag ctctacgcct cctacgttta 300
cctgtccatg tcttactact ttgaccgca tgatgtggct ttgaagaact ttgccaaata 360
ctttcttcac caatctcatg aggagaggga acatgc 396

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<210> 8
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 8
cgacaacaag gttaatacct tagttcttaa cttttttttt ctttatgtgt agtgttttca 60
tgctaccttg gtaggaaact tatttataaa ccatattaaa aggctaattt aaatataaat 120
aatataaagt gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180
aaaccaccca aatgaccaag gcatatatag tatttgagg aatcaggggt ttggaaggag 240
tagggaggag aatgaaggaa aatgcaacca gcatgattat agtgtgttca tttagataaa 300
agtagaaggc acaggagagg tagcaaaggc caggcttttc tttggttttc ttcaaacata 360
ggtgaaaaaa aactgccat tcacaagtca aggaac 396

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<210> 9  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 321, 344  
 <223> n = A,T,C or G

<400> 9  
 tcgacatcgc ggcaactttt tgcggattgt tcttgccttc aggcctttgcg ctgcaaatcc 60  
 agtgctacca gtgtgaagaa ttccagctga acaacgactg ctctctcccc gagttcattg 120  
 tgaattgcac ggtgaacggt caagacatgt gtcagaaaaga agtgatggag caaagtgccg 180  
 ggatcatgta ccgcaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt 240  
 accagtcctt ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc 300  
 ctctttgtaa cgggccaaagg nccaaaaaaa ggggaaaagt ctgncctcgg ccctcaggcc 360  
 agggctccgc accaccatcc tgttcctcaa attagc 396

<210> 10  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 115, 116, 117, 130, 138, 142, 143, 144, 145, 146, 153, 157,  
 158, 159, 160, 164, 175, 176, 177, 178, 179, 183, 187, 197,  
 198, 202, 203, 204, 205, 206, 211, 212, 213, 215, 216, 217,  
 220, 221, 222, 226, 231, 234, 236, 237, 245, 246, 247  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 250, 255, 264, 266, 267, 268, 269, 270, 271, 272, 279, 284,  
 297, 303, 304, 305, 308, 315, 317, 318, 319, 320, 321, 322,  
 323, 333, 334, 337, 338, 342, 343, 368, 372, 374, 380, 381,  
 391, 395  
 <223> n = A,T,C or G

<400> 10  
 cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt tttttttttt ttttaaaaaa aaaannnttt 120  
 tttttttttt aaaaaaang gnnnnntttt ttncccnntt gggngggggg ggggnnnntt 180  
 ttnaaanaaa aaaaccnnaa annnnnnggg nnnannnaaa ncccccccc naancnntaa 240  
 aaaannnggn aaaanagggg gggnannnnn nnggggggna aaantttttt tttttttaaag 300  
 ggnnnggnaa aaaantnnnn nntttttttt ttnnaannng gnnaaaaaaa aaaaaaaaaa 360  
 attttttngg gtnnaggggn ngggggaaaa nccna 396

<210> 11  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 11

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agaacacagg tgtcgtgaaa actacccta aaagccaaaa tgggaaagga aaagactcat 60
atcaacattg tcgtcattgg acacgtagat tcgggcaagt ccaccactac tggccatctg 120
atctataaat gcggtggcat cgacaaaaga accattgaaa aatttgagaa ggaggctgct 180
gagatgggaa agggctcctt caagtatgcc tgggtcttgg ataaactgaa agctgagcgt 240
gaacgtggta tcaccattga tatctccttg tggaaatttg agaccagcaa gtactatgtg 300
actatcattg atgccccagg acacagagac tttatcaaaa acatgattac agggacatct 360
caggetgact gtgctgtcct gattgttgct gctgggt 396

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<210> 12
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 12
cgaaaacctt taaaccccg tcatccggac atcccaacgc atgctcctgg agctcacagc 60
cttctgtggt gtcatttctg aaacaagggc gtggatccct caaccaagaa gaatgtttat 120
gtcttcaagt gacctgtact gcttggggac tattggagaa aataaggtgg agtctactt 180
gtttaaaaaa tatgtatcta agaatttctt agggcactct gggaacctat aaaggcaggt 240
atctcggggc ctctctttca ggaatcttcc tgaagacatg gccagtcga aggccagga 300
tggcttttgc tgcggccccg tggggtagga gggacagaga gacagggaga gtcagcctcc 360
acattcagag gcatcacaag taatggcaca attctt 396

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<210> 13
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 13
accacaggct ggccacaaga agcgttgag tgtgctggcg gctgcaggcc tacggggcct 60
ggtccggctg ctgcacgtgc gtgccggctt ctgctgcggg gtcacccag cccacaagaa 120
ggccatcgcc accctgtgct tcagccccgc ccacgagacc catctcttca cggcctccta 180
tgacaagcgg atcatcctct gggacatcgg ggtgcccac caggactacg aattccaggc 240
cagccagctg ctcacactgg acaccacctc tatccccctg cgctctgcc ctgtgcgctc 300
ctgcccgga ccccgctgct tggccggctg cgaggcgggc tgctgctgct gggacgtgcg 360
gctggaccag ccccaaaaga ggagggtgtg tgaagt 396

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<210> 14
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 14
acggcgtcct cgtggaagtg acatcgtctt taaaccctgc gtggcaatcc ctgacgcacc 60
gccgtgatgc ccagggaaga cagggcgacc tggaagtcca actacttcct taagatcacc 120
caactattgg atgattatcc gaaatgttcc attgtgggag cagacaatgt gggctccaag 180
cagatgcagc agatccgcct gtcccttcgc gggaggctg tgggtgctgat gggcaagaac 240
accatgatgc gcaaggccat ccgagggcac ctggaaaaca acccagctct ggagaaactg 300
ctgectcata tccgggggaa tgtgggctt gtgttcacca aggaggacct cactgagatc 360
agggacatgt tgctggccaa taagggtgcc gctgct 396

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<210> 15
<211> 396
<212> DNA
<213> Homo sapiens

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<220>  
 <221> misc\_feature  
 <222> 333  
 <223> n = A,T,C or G

<400> 15  
 accgcgcggg cacaggggtgc cgctgaccga ggcggtgcaaa gactccagaa ttggaggcat 60  
 gatgaagact ctgctgctgt ttgtggggct gctgctgacc tgggagagtg ggcaggctct 120  
 gggggaccag acggtctcag acaatgagct ccaggaaatg tccaatcagg gaagtaagta 180  
 cgtcaataag gaaattcaaa atgcttgtca acgggggtgaa acagataaag actctcatag 240  
 aaaaaacaaa cgaagagcgc aagacactgc tcagcaacct agaagaagcc aagaagaaga 300  
 aagaggatgc cctaaatgag accaggggat canagacaaa gctgaaggag ctcccaggag 360  
 tgtgcaatga gaccatgatg gccctctggg aagagt 396

<210> 16  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 114, 121, 122, 123, 127, 134, 136, 138, 140, 141, 142, 143,  
 144, 148, 163, 166, 172, 173, 174, 176, 177, 183, 184, 185,  
 187, 195, 196, 198, 199, 202, 203, 206, 213, 214, 215, 216,  
 217, 218, 219, 223, 225, 226, 227, 229, 230, 236, 238  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 239, 252, 256, 257, 261, 262, 268, 269, 273, 278, 280, 288,  
 289, 290, 292, 293, 303, 312, 325, 327, 333, 335, 336, 341,  
 342, 347, 354, 359, 365, 371, 383, 384, 386, 388, 391  
 <223> n = A,T,C or G

<400> 16  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttngggggg 120  
 nnnaaanttt tttntnanan nnnngggnaa aaaaaaaaaa aanaangggg gnnntnnggc 180  
 cnnnnanaaa aaaanngnna annaancccc cnnnnnnnnc cncnntnnn ggaaananna 240  
 aaaccccccc cngggngggg nnaaaaaannc ccnggggnan tttttatnnn annccccccc 300  
 ccnggggggg gnggaaaaaa aaaantnccc ccnannaana nnggggnccc cccnttttnc 360  
 aaaanggggg nccgggcccc ccnantntt nggggg 396

<210> 17  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 17  
 accacactaa ccatatacca atgatggcgc gatgtaacac gagaaagcac ataccaaggc 60  
 caccacacac cacctgtcca aaaaggcctt cgatacggga taatcctatt tattacctca 120  
 gaagtttttt tcttcgcagg atttttctga gccttttacc actccagcct agcccctacc 180  
 cccaactag gagggcactg gcccccaaca ggcatacccc cgctaaatcc cctagaagtc 240  
 ccactcctaa acacatccgt attactcgca tcaggagtat caatcacctg agctcaccat 300

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agtctaataag aaaacaaccg aaaccaaata attcaagcac tgcttattac aattttactg 360
ggtctctatt ttaccctcct acaagcctca gactac 396

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<210> 18
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 51, 54, 66, 81, 86, 98, 106, 111, 117, 124, 129, 133, 135,
150, 151, 154, 159, 161, 172, 179, 181, 183, 185, 220, 223,
229, 238, 258, 259, 264, 282, 289, 292, 294, 299, 303, 311,
315, 329, 343, 349, 351, 353, 361, 369, 370, 389, 392
<223> n = A,T,C or G

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<221> misc_feature
<222> 396
<223> n = A,T,C or G

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<400> 18
tttttttttt tttttttttt tttttttttt tttttttttt ttttttttta ntcnaaaggg 60
gaaggncctt ttttattaaa nttggncatt ttacttnct tttttnaaaa ngctaanaaa 120
aaantttntt tntncttaa aaaaaccctn natntcacna ncaaaaaaaaa cnattccnc 180
ntnctttttg tgataaaaaa aaaggcaatg gaattcaacn tancctaana aaactttnc 240
tgaggagaaa aaaaattntt ccgngggaaa cacttggggc tntccaaant gnanccatnc 300
tangaggacc ntcntaaga tttccaaang aaacccttc ctnccaaang nantaccccg 360
ntgctacnn cccataaaaa aaacctcanc cntaan 396

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<210> 19
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 47, 69, 75, 80, 83, 87, 88, 90, 92, 102, 104, 108, 116, 121,
130, 138, 139, 142, 153, 156, 158, 162, 165, 166, 180, 192,
193, 195, 201, 224, 226, 232, 235, 237, 241, 248, 251, 253,
256, 269, 272, 274, 277, 284, 287, 290, 292, 297
<223> n = A,T,C or G

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<221> misc_feature
<222> 299, 305, 306, 315, 323, 324, 326, 332, 351, 368, 377, 380,
383, 387, 392
<223> n = A,T,C or G

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<400> 19
tttttttttt tttttttttt tttttttttt tttttttttt tttttntgg tctgggcttt 60
tattttacna aaaanctaan gnaaanntn cnttaaaacta antngaanac aaagtnttaa 120
ngaaaaaggn ctgggggnnt cntttacaaa aanggnctgg gncanntttg ggcttaaaan 180
ttcaaaaagg gnnctcaaaa ngggtttgca tttgcatgtt tcancnctaa ancgngangaa 240
naaacccngg ngncnctgg gaaaagtnt tnanctncca aaanatnaan tntttgnanc 300
agggntttt tgggnaaaaa aannanttcc anaaactttc catcccttg ntttgggttc 360

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ggccttgngt tttcggnatn atntccntta angggg 396

<210> 20  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 29, 43, 49, 53, 55, 75, 81, 100, 110, 111, 125, 129, 160,  
162, 168, 246, 277  
<223> n = A,T,C or G

<400> 20  
tttttttttt tttttttttt ttttttctna acaaaccctg ttnttgggng ggngngggta 60  
taataactaag ttganatgat ntcatttacg ggggaaggcn ctttgtgaan naggccttat 120  
ttctnttgnc ctttcgtaca gggaggaatt tgaagtaaan anaaaccnac ctggattact 180  
ccggtctgaa ctcaaatac gtaggacttt aatcggtgaa caaacaacc tttaatagcg 240  
gctgcncat tgggatgtcc tgatccaaca tcgaggncgt aaaccctatt gttgatatgg 300  
actctaaaaa taggattgcg ctgttatccc tagggtaact tgttcccggtg gtcaaagtta 360  
ttggatcaat tgagtataag tagttcgctt tgactg 396

<210> 21  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 6, 9, 18, 23, 37, 43, 48, 55, 65, 73, 75, 103, 110, 117,  
123, 125, 134, 153, 182, 195, 202, 205, 213, 216, 223, 239,  
249, 276, 293, 294, 302, 307, 344, 356, 359, 369, 374, 381,  
392  
<223> n = A,T,C or G

<400> 21  
acatanatnt tatactanca ttnaccatct cacttgnagg aanactanta tatenctcac 60  
acctnatatc ctncntacta tgcctagaag gaataatact atngctgttn attatancta 120  
ctntnataac cctnaacacc cactccctct tanccaatat tgtgcctatt gccatactag 180  
tnnttgccgc ctgcnaagca gngnggggcc tanccntact agnctcaatc tccaacacnt 240  
atggcctana ctacgtacat aacctaacc tactcnaatg ctaaaactaa tcnncccaac 300  
anttatntta ctaccactga catgactttc caaaaaacac atantttgaa tcaacncanc 360  
caccacanc ctanttatta ncatcatccc cntact 396

<210> 22  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 17, 244  
<223> n = A,T,C or G



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<400> 22
tttttttttt ttttganaaa agccggcata aagcactttt attgcaataa taaaacttga 60
gactcataaa tgggtgctggg ggaaggggtgc agcaacgatt tctcaccaaa tcactacaca 120
ggacagcaaa ggggtgagaa ggggctgagg gaggaaaagc caggaaactg agatcagcag 180
agggagccaa gcatcaaaaa acaggagatg ctgaagctgc gatgaccagc atcattttct 240
taanagaaca ttcaaggatt tgtcatgatg gctgggcttt cactgggtgt taagtctaca 300
aacagcacct tcaattgaaa ctgtcaatta aagttcttaa gatttaggaa gtgggtggagc 360
ttggaaagtt atgagattac aaaattcctg aaagtc 396

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<210> 23
<211> 396
<212> DNA
<213> Homo sapiens

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<400> 23
acaaaggcgg ttccaagcta aggaattcca tcagtgcctt tttcgcagcc accaaattta 60
gcaggcctgt gaggttttca tctcctgaag agatgtattt taaagctttt tttttttaat 120
gaaaaaatgt cagacacaca caaaagtaga atagtaccat ggagtcccca cgtaccacagc 180
ctgcagcttc aacagttacc acatttgcca accggagaga ctgccaaggc aggaaaaagc 240
cctggaaagc ccacggcccc tttttccctt gggtcagagg ccttagagct ggctgccaaa 300
gcagccaacc aaaggggcag ctcagctcct tctgtggcacc agcagtgttc ctgatgcagt 360
tgaagagttg atgtctttga caacatacgg aactgt 396

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<210> 24
<211> 396
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> 313, 337, 340, 350, 351, 352, 353, 354, 355, 356, 366, 376,
377, 378, 382, 384, 385, 387, 389, 390, 392, 393, 396
<223> n = A,T,C or G

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```

<400> 24
cgactatcct ctcagattct tatctggcac taatttataa ctattatatt atcagagact 60
atgtagcaat atatcagtgc acaggcgcac cccaggcctg tacagatgta tgtctacacg 120
taagtataaa tgaatttgca taccaggttt tacacttgca tctctaatag agattaaaaa 180
caacaaattg gcctcttcct aagtatatta atatcattta tccttacatt ttatgcctcc 240
ccctaaatta atgactgagt tgggtgaaag cggctagggt ttattcatac tgttttttgt 300
tctcaacttc aanagtaatc tacctctgaa aaattntan tttaatattn nnnnnnagga 360
atttngcca ctttannct tncnntntnn tnnccn 396

```

```

<210> 25
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 90, 125, 136, 278, 299, 301, 305, 344, 347, 353, 355, 356,
357, 359, 360, 361, 365, 369, 378, 380, 381, 382, 383, 384,
385, 386, 391, 392, 393, 395, 396
<223> n = A,T,C or G

```

```

<400> 25
tttttttttt tttttttttt gtctttttaa aaatataaaa gtgtttattat tttaaaacat 60
caagcattac agactgtaaa atcaattaan aactttctgt atatgaggac aaaaatacat 120
ttaanacata tacaanaaga tgctttttcc tgagtagaat gcaaactttt atattaagct 180
tctttgaatt ttcaaaatgt aaaataccaa ggctttttca catcagacaa aaatcaggaa 240
tgttcacctt cacatccaaa aagaaaaaaa aaaaaaanc aattttcaag ttgaagttna 300
ncaanaatga tgtaaaatct gaaaaaagtg gccaaaattt taanttncaa canannngnn 360
ncagnttttna tggatctntn nnnnnncttc nnntnn 396

```

```

<210> 26
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 313, 314, 316, 318, 321, 343, 344, 352, 353, 356, 363, 366,
370, 372, 373, 374, 375, 377, 378, 379, 383, 384, 385, 386,
387, 391, 393, 394, 395, 396
<223> n = A,T,C or G

```

```

<400> 26
gaagctcccc cctccccccg agcgccgctc cggtgcacc gcgctcgctc cgagtttcag 60
gtcgtgtgta agctagcgcc gtcgtcgtct ccttcagtc gccatcatga ttatctaccg 120
ggacctcacc agccacgatg agatgttctc cgacatctac aagatccggg agatcgcgga 180
cgggttgtgc ctggagggtg aggggaagat ggtcagtagg acagaaggta acattgatga 240
ctcgtcattt ggtggaaatg cctccgctga aggcccgag ggcgaaggta cccgaaagca 300
cagtaatcac tgnngncnat nttgtcatga accatcacct gcnnгааааа annttnacaa 360
aanaancctn cnnnnannnc ctnnnnnatt ncnnnn 396

```

```

<210> 27
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 49, 61, 66, 73, 75, 99, 102, 103, 105, 107, 120, 124, 126,
129, 138, 139, 141, 147, 155, 157, 162, 165, 175, 187, 191,
193, 198, 207, 217, 218, 220, 221, 223, 226, 231, 232, 245,
257, 259, 260, 263, 266, 271, 287, 305, 306, 307, 308
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 321, 330, 332, 335, 342, 343, 344, 345, 349, 350, 351, 352,
354, 355, 356, 357, 365, 366, 367, 370, 371, 372, 373, 374,
375, 376, 377, 378, 379, 380, 381, 382, 383, 386, 387, 388,
389, 391, 392, 393, 394, 395, 396
<223> n = A,T,C or G

```

```

<400> 27
tttttttttt tttttttttt tttttttttt tttttttttt tggctaaant ttatgtatac 60
nggttnttca aangnggggg aggggggggg gcatccatnt annncncca ggtttatggg 120

```

```

gggntntnt actattanna nttttcnctt caaancnaag gnttntcaaa tcatnaaaat 180
tattaanatt ncngctgnta aaaaaangaa tgaaccnnch nanganagga nntttcatgg 240
ggggnatgca tgggggnann ccnaanaacc ncggggccat tcccganagg cccaaaaaat 300
gtttnnnnaa aaagggtaaa nttaccccn tnaantttat annnnaaann nnannnnagc 360
ccaannnttn nnnnnnnnnn nnnccnnna nnnnnn 396

```

```

<210> 28
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 278, 283, 298, 309, 326, 331, 338, 351, 355, 356, 357, 358,
360, 371, 377, 378, 383, 386, 387, 391, 393, 394, 395
<223> n = A,T,C or G

```

```

<400> 28
cgaccttttt tttttttttt atagatgaaa gagggtttat ttattaatat atgatagcct 60
tggctcaaaa aagacaaatg agggctcaaa aaggaattac agtaacttta aaaaatatat 120
taaacatatc caagatccta aatatattat tctcccaaaa agctagctgc ttccaaactt 180
gatttgatat ttgcatgtt ttccctacgt tgcttggtta atatatattgc ttctcctttc 240
tgcaatcgac gtctgacagc tgatttttgc tgttttgnca acntgacgtt tcaccttntg 300
tttcaccant tctggaggaa ttgttnaaca ncttacanca ctgccttgaa naaannnnan 360
gectcaaaag ntcttgnnct atnctnnttc nttnnn 396

```

```

<210> 29
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 329, 334, 361, 386, 390
<223> n = A,T,C or G

```

```

<400> 29
gacttgctca tttagagttt gcaggaggct ccatactagg ttcagtctga aagaaatctc 60
ctaattggtgc tatagagagg gaggtaacag aaagactctt ttagggcatt tttctgactc 120
atgaaaagag cacagaaaag gatgtttggc aatttgtctt ttaagtctta accttgctaa 180
tgtgaatact gggaaagtga tttttttctc actcgttttt gttgctccat tgtaaagggc 240
ggaggtcagt cttagtggcc ttgagagttg cttttggcat ttaaataatc taagagaatt 300
aactgtatct cctgtcacct attcactant gcangaaata tacttgctcc aaataagtca 360
ntatgagaag tcaactgtcaa tgaaanttgn tttgtt 396

```

```

<210> 30
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 28, 83, 126, 138, 254, 275, 298, 310, 311, 353, 363, 374,
379, 393

```

<223> n = A,T,C or G

<400> 30

```

tttttttttt tttttttttg aaatttanaa acaaatttta ttttaagatct gaaatacaat 60
tctataaata tcaacttttc canaaaaccg tggctacaca ataatgcatt gcctctatca 120
tggtanaacg tgcattanac tcaaatacaa aaaccatgaa acaaatcacc atccttcaac 180
aatttgagca aagatagaat gcctaagaac aacatagatg gacttgcaga ggatgggctg 240
ttttacttca agcnccataa aaaaaaaaaa gagcncaaat gcattgggtt ttcaggntta 300
tacattaagn ngaacctttg gcactaggaa tcagggcggt ttgtcacata gcnttaacac 360
atnttaaaaa attntgtant gtcaaaggga tangaa 396

```

<210> 31

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 285, 287, 350, 362, 365, 377, 378, 382, 388, 390, 393

<223> n = A,T,C or G

<400> 31

```

gacggggccag ggccatctgg aaagggaact cggcttttcc agaacgtggt ggatcatctg 60
tcgggtgtgt ggtgaacacg ttcagttcat cagggcctac gctccgggaa ggggccccca 120
gctgtggctc tgccatgccg ggctgtgttt gcagctgtcc gagtctccat ccgccttttag 180
aaaaccagcc acttcttttc ataagcactg acagggccca gccacagacc acagggtgga 240
tcagtgcctc acgcaggcaa atgcactgaa acccaggggc acacnncgc agagtgaaca 300
gtgagttccc ccgacagccc acgacagcca ggactgccct cccaccccn ccccgacccc 360
angancacgg cacacanntc ancctctnan ctngct 396

```

<210> 32

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 341

<223> n = A,T,C or G

<400> 32

```

cgactggcct cataccttgt ctacacagtc cctgcacagg gttcctaacc tgtggttagt 60
aaagaatgtc actttctaac aggtctggaa gctccgagtt tatcttggga actcaagagg 120
agaggatcac ccagttcaca ggtatttgag gatacaaacc cattgctggg ctgggcttta 180
aaagtcttat ctgaaattcc ttgtgaaaca gagtttcac aaagccaatc caaaaggcct 240
atgtaaaaat aaccattctt gctgcacttt atgcaaataa tcaggccaaa tataagacta 300
cagtttattt acaatttggt tttaacaaaa atgaggacta nagagaaaaa tgggtgctcca 360
aagcttatca tacatttgct attaagtcct agtctc 396

```

<210> 33

<211> 396

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> 121, 122, 124, 125, 126, 128, 130, 131, 132, 133, 134, 136,
137, 153, 154, 155, 156, 157, 158, 159, 168, 169, 170, 171,
172, 173, 174, 175, 176, 177, 178, 179, 184, 185, 192, 197,
199, 200, 202, 204, 205, 208, 209, 210, 211, 214, 215
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 216, 217, 218, 222, 227, 228, 229, 233, 234, 241, 242, 244,
245, 246, 247, 248, 249, 252, 260, 261, 262, 263, 264, 265,
270, 272, 273, 274, 275, 279, 282, 284, 288, 290, 291, 292,
293, 294, 299, 300, 301, 302, 303, 306, 313, 314, 319
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 327, 328, 330, 331, 332, 333, 334, 335, 343, 349, 350, 351,
352, 355, 360, 369, 370, 371, 375, 379, 387, 388, 390, 391,
392, 393, 394, 395, 396
<223> n = A,T,C or G

```

```

<400> 33
cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
nngnnntntn nnnnannaaa aaaaaaaaaa aannnnnnna aaaaaaannn nnnnnnnnt 180
tttnnggggg gnttttnann gnantttnnn nttnnnnnaa anccccnnng ggnggggggg 240
nntnnnnnng gnaaaaaaan nnnnnggggn cnnnngggnc cncncccnan nnnnaaaann 300
nnnggntttt ttntttttta aaaaaanngn nnnnnaacaa aanttttttn nnaanttttn 360
gggggaaann nccntttnt ttttttnnan nnnnnn 396

```

```

<210> 34
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 8, 60, 72, 123, 128, 155, 172, 198, 207, 246, 305, 325, 348,
349, 369, 371, 380, 393, 394
<223> n = A,T,C or G

```

```

<400> 34
acggaccnag ctggaggagc tgggtgtggg gtgcgttggg ctggtgggga ggcctagttn 60
gggtgcaagt angcttgatt gagcttgtgt tgtgctgaag ggacagccct gggctctagg 120
ganagagncc ctgagtgtga gaccacctt cccngtccc agccctccc anttccccca 180
gggacggcca ctctctgntc cccgacncaa ccatggctga agaacaaccg caggctgaat 240
tgttcntgaa gctgggcagt gatggggcca agattgggaa ctgccattc tcccacagac 300
tgttnatggt actgtggctc aaggngtca cttcaatgt taccacnnt gacacaaaaa 360
ggcggaccna nacagtgc anagctgtgcc canngg 396

```

```

<210> 35
<211> 396
<212> DNA
<213> Homo sapiens

```

<400> 35  
 tcgacaaaaa tcaaattctgg cactcacaag ccctggccga cccccaatgg gttttaccac 60  
 tccccctcta gacctgtct tgcaaaatcc tctccctagc cagctagtat tttctgggct 120  
 aaagactgta caaccagttc ctccatttta tagaagttta ctcaactccag gggaaatgg 180  
 gagtcctcca acctcccttt caaccagtc catcattcca accagtggta ccatagagca 240  
 gcaccccccg ccacctctg agccagtagt gccagcagtg atgatggcca cccatgagcc 300  
 cagtgtctgac ctggcaccca agaaaaagcc caggaagtca agcatgcctg tgaagattga 360  
 gaaggaaatt attgataccg ccgatgagtt tgatga 396

<210> 36  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 36  
 tcgacgggaa gagcctgcta cgggtggactg tgagactcag tgcaactgtcc tcctcccagc 60  
 gacccacgc tggacccccct gccggaccct ccaccttcg gcccccaagc ttcccagggg 120  
 ctctcttttg actggactgt cctgtctcat ccattctct gccaccccca gacctctca 180  
 gctccaggtt gccacctcct ctgccagag tgatgaggtc ccggttctg ctctccgtgg 240  
 cccatctgcc cacaattcgg gagaccacgg aggagatgct gcttgggggt cctggacagg 300  
 agccccacc ctctcttagc ctggatgact acgtgaggtc tatactctga ctggcacagc 360  
 ccacctctgt gctggacaag gccacggccc agggcc 396

<210> 37  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 376  
 <223> n = A,T,C or G

<400> 37  
 cgacgggtgtc agcaactggc catgccacag cacataaaga ttacagtgtac aagaaaaaca 60  
 ttgtttgagg attcctttca acagataatg agcttcagtc cccaagatct gcgaagacgt 120  
 ttgtgggtga tttttccagg agaagaaggt ttagattatg gaggtgtagc aagagaatgg 180  
 ttctttcttt tgtcacatga agtgttgaac ccaatgtatt gcctgtttga atatgcaggg 240  
 aaggataact actgcttgca gataaacccc gcttcttaca tcaatccaga tcacctgaaa 300  
 tattttcggt ttattggcag atttattgcc atggctctgt tccatgggaa aattcataga 360  
 cacgggtttt tcttttccat tctataagcg tatctt 396

<210> 38  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 38  
 cgacaaaaat gataaatagc ttttaagaatg tgctaattgat aaatgattac atgtcaattt 60  
 aatgtactta atgtttaata cttattttga ataattacct gaagaatata ttttttagta 120  
 ctgcatttca ttgattctaa gttgcacttt ttaccccat actgttaaca tatctgaaat 180  
 cagaatgtgt cttacaatca gtgatcggtt aacattgtga caaagtttaa tggacagttt 240  
 tttcccatat gtatatataa aataatgtgt tttacaatca gtggcttaga ttcagtgaat 300

```
tacagtaatt cattcaatta tgatagtatc ttacagaca ttttaaaaat aagttatttt 360
tatatgctaa tattctatgt tcaagtggaa ttgga 396
```

```
<210> 39
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<400> 39
tcgaccaaga atagatgctg actgtactcc tcccaggcgc cccttccccc tccaatccca 60
ccaaccctca gagccacccc taaagagata ctttgatatt ttcaacgcag ccctgctttg 120
ggctgcccctg gtgctgccac acttcaggct cttctccttt cacaaccttc tgtggctcac 180
agaacccttg gagccaatgg agactgtctc aagagggcac tggtggcccg acagcctggc 240
acagggcaag tgggacaggg catggccagg tggccactcc agaccctgg cttttcactg 300
ctggctgcct tagaaccttt cttacattag cagtttgctt tgtatgcact ttgttttttt 360
ctttgggtct tgtttttttt ttccacttag aaattg 396
```

```
<210> 40
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 200, 375
<223> n = A,T,C or G
```

```
<400> 40
tttttttttt ttttgttatt tagtttttat ttcataatca taaacttaac tctgcaatcc 60
agctagggcat gggaggggaac aaggaaaaca tggaacccaa agggaactgc agcgagagca 120
caaagattct aggatactgc gagcaaattg ggtggagggg tgctctctctg agctacagaa 180
ggaatgatct ggtggttaan ataaaacaca agtcaaactt attcgagttg tccacagtca 240
gcaatggtga tcttcttgct ggtcttgcca ttcttggaacc caaagcgctc catggcctcc 300
acaatattca tgccttcttt cactttgcca aacaccacat gcttgccatc caaccactca 360
gtcttggcag tgcanatgaa aaactgggaa ccattt 396
```

```
<210> 41
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 288
<223> n = A,T,C or G
```

```
<400> 41
tcgacctctt gtgtagtcac ttctgattct gacaatcaat caatcaatgg cctagagcac 60
tgactgttaa cacaacgctc actagcaaag tagcaacagc ttttaagtcta aatacaaagc 120
tgttctgtgt gagaattttt taaaaggcta cttgtataat aacccttgct atttttaatg 180
tacaaaacgc tattaagtgg cttagaattt gaacatttgt ggtctttatt tactttgctt 240
cgtgtgtggg caaagcaaca tcttccttaa atatataatta cccaaagnaa aagcaagaag 300
ccagattagg tttttgacaa aacaaacagg ccaaaagggg gctgacctgg agcagagcat 360
ggtgagaggc aaggcatgag agggcaagtt tgttgt 396
```

<210> 42  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 65, 68, 69, 71, 72, 75, 77, 79, 82, 85, 86, 87, 89, 90, 97,  
 98, 105, 107, 109, 112, 117, 121, 122, 124, 126, 149, 152,  
 153, 155, 157, 161, 163, 167, 168, 169, 174, 177, 178, 179,  
 180, 186, 188, 192, 201, 202, 207, 208, 215, 217, 220  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 225, 230, 242, 243, 247, 250, 259, 263, 271, 272, 279, 284,  
 295, 298, 299, 308, 309, 312, 323, 342, 348, 351, 363, 366,  
 370, 386, 390, 392  
 <223> n = A,T,C or G

<400> 42  
 cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 aaaanccnna nnaanang gnaannnann aaaaaannca aaccnctnt anaaaangcc 120  
 nntntnaggg ggggggttca aaaccaaang gnngntngga ngnaaannna aaanttnnnn 180  
 gggggnanaa anaaaaaggg nngaaanntg acccnanaan gaccngaaan cccgggaaac 240  
 cnngggntan aaaaaaagnt gancctataa ncccccgna aaanggggga agggnaannc 300  
 caaatccnt gngggttggg ggnggggaaa aaaaaaacc cnaaaaaantg naaaaaaccg 360  
 ggnttnaaan atttgggttc gggggnnttn tnttaa 396

<210> 43  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 108, 195, 213, 279, 287, 349  
 <223> n = A,T,C or G

<400> 43  
 tttttttttt ttttgcttca ctgctttatt tttgaaatca caagcaattc aaagtgatca 60  
 tcattgaggc ttctgttaaa agttcttcca aagttgccca gttttaanat taaacaatat 120  
 tgcactttaa gatgaactaa cttttgggat tctcttcaaa gaaggaaagt attgctcoat 180  
 ctgtgctttt cttanactaa aagcatactg canaaaaactc tattttaaaa atcaacaactg 240  
 cagggtacag taacatagta aagtacctgc ctattttana atcctanaga acatttcatt 300  
 gtaagaaact agccattat ttaagtgtcc acagtatttt tcatttcant ggtccaagat 360  
 gccaaagggtt ccaaacacaa tcttgttctc taatac 396

<210> 44  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 44



```

gacctagttt tacctcttaa atatctctgt tcccttctaa gttgtttgct gtgtttttctt 60
cagagcaaga aggttatatt ttttaaaatt tacttagtaa tgcacattca aaacacacat 120
caagtcttca ggataaagtt caaaaccgct gtcatggccc catgtgatct ctccctcccc 180
tacctctcta tcatttagtt tcttctgcgc aagccactct ggcttccttt cagttttgtg 240
gttcccggtt ttagctagtt cagtggtttt caatgggcat ttcttgccct tttttttcta 300
aacgacaaat agaaatacat cttctttatt atcctccaaa tccaattcag aggtaatatg 360
ctccacctac acacaatttt agaaataaat taaaaa 396

```

```

<210> 45
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 18, 19, 22, 39, 40, 43, 62, 84, 90, 99, 103, 104, 105, 117,
120, 123, 128, 134, 139, 141, 142, 143, 144, 145, 182, 187,
207, 218, 219, 242, 247, 257, 260, 263, 272, 276, 277, 279,
284, 288, 294, 296, 297, 305, 310, 314, 319, 320, 322
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 364, 366, 376, 378, 381, 387, 388, 396
<223> n = A,T,C or G

```

```

<400> 45
tttttttttt ttttaaannt tntaaatttt taatgaaann ganttagaac aatgtattat 60
tnacatgtaa ataaaaaaag agancataan ccccatatnc tcnnnaaagg aaggganacn 120
gonggccntt tatnagaana nnnnncatat aagaccccat taagaagaat ctggatctaa 180
anacttncaa acaggagttc acagtangtg aacagcannc cctaatccca ctgatgtgat 240
gnttcnata aaatcancan cgntgatcgg gnatchnanc aatntganog gaanannact 300
gctcnatatn tttnaggann cngatgtggt cattttttac aaagataatg gccacacct 360
tccongncga atcgancnga nctcccnntt ctgtgn 396

```

```

<210> 46
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 24, 105, 144, 188, 190, 214, 317, 369, 371, 378
<223> n = A,T,C or G

```

```

<400> 46
tttttttttt tttttttttc tganacagag tctcattctg ttgcctaggc tggattgcag 60
tggtgccatc tgggtcact gcaacctccg cctcctgggt tccanaaatt ctctgacctc 120
agctcccggt gtagctggga ctanaggcac acgccaccac gccaggctaa tttttatatt 180
tttagtanan atggcgtttc accatgttga ccanactgat ctcgaaactc cgacctogtg 240
atccaccac ctcggcctcc caaagtgctg ggattacagg cgtgaaacca ccaggcccg 300
cctgaaatat ctatttnttt tcagattatt tttaaaattc catttgatga atcttttaaa 360
gtgagctana naaagtgngt gtgtacatgc acacac 396

```

```

<210> 47

```

<211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 290  
 <223> n = A,T,C or G

<400> 47  
 tttttttttt tttttttgct gttgccaact gtttattcag ggccctgaac ggggtgggtgcg 60  
 tggacatgca acacactcgg gccacagca gcgtgaccgg ccgtcccaa gcccggggcg 120  
 cacaaccaca gccaggagca gccctgcca ccactgggcc accgtccagg gcccacagg 180  
 accagccgaa ggtgccccgg gccgaggcca gctgggtcag gtgtaccct agcctggggg 240  
 tgagtgagga gcggcacccc cagtatcctg tgtaccccaa gttgccagn aggcggaggg 300  
 ggccctgggc tccatctgca ctggccaccc cgtgccaaagc atcacagctg cgtgagcagg 360  
 tttgtgtgtg agcgtgtggc ggggcctggt tgtccc 396

<210> 48  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 393, 396  
 <223> n = A,T,C or G

<400> 48  
 ctgggcctgt gccgaagggt ctgggcagat cttccaaaga tgtacaaaat gtagaaattg 60  
 cctcaagca aatgcaaaga tgctcaacac ctttagtcat caagaaaatg caaatggaat 120  
 ccacagagag atactgcaca ctgacaaaga tggctgtatt actaaagggtg aataaccagc 180  
 gcggggggca cgtggagtca ctggaacatt tgtgcaatgc tgggtgggaat gtcaaccctg 240  
 gcggccctct ggaataagcc tggcagctcc tccaagagtt acccgtgtga cccagcaatt 300  
 ccactcctag ctccaccac aggaattgaa agcaaagacg caaacagatg cctgtgcacc 360  
 aaagttcacg gcagcatcct tcgccatagt ggnaan 396

<210> 49  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 32, 40, 44, 64, 70, 83, 87, 92, 104, 115, 118, 125, 127,  
 130, 137, 155, 168, 171, 173, 175, 192, 201, 206, 208, 218,  
 219, 235, 247, 249, 256, 259, 260, 269, 297, 306, 310, 320,  
 321, 328, 331, 345, 356, 381, 389, 395  
 <223> n = A,T,C or G

<400> 49  
 accccaaaat gggaaaggaa aagactcata tnaacattgn cgtnattgga cacgtacatt 60  
 cggncagtn caccactact ggncatntga tntataaatg cggnggcacg gacanaanaa 120  
 ccatngnaan atttganaag gaggtgtgtg atatnggaaa gggctcctc nantntgcct 180

```

gggtcttggga tnaactgaaa nctgancntg aacgtggmnt caccattgat atctncttgt 240
ggaaatntna gaccancann tactatgtna ctatcattga tgccccagga cacaganact 300
ttatcnaaan catgattacn nggacatnta nagctgactg tgctngcctg attgtngctg 360
ctggtgttgg tgaatttgaa nctggtatnt ccaana 396

```

```

<210> 50
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 50
cgacttcttg ctggtgggtg gggcagtttg gtttagtggt atacttttgt ctaagtattt 60
gagttaaact gcttttttgc taatgagtgg gctggttggt agcaggtttg tttttcctgc 120
tggtgattgt tactagtggc attaaccttt agaatttggg ctggtgagat taattttttt 180
taatatccca gctagagata tggcctttta ctgacctaaa gaggtgtggt gtgatttaat 240
tttttcccg tcttttttct tcagtaaaacc caacaatagt ctaaccttaa aaattgagtt 300
gatgtcctta taggtcacta cccctaaata aacctgaagc aggtgttttc tottggacat 360
actaaaaaat acctaaaagg aagcttagat gggctg 396

```

```

<210> 51
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 18, 52, 59, 148, 267, 321, 332
<223> n = A,T,C or G

```

```

<400> 51
tttttttttt ttcagcgngg atttatttta tttcattttt tactctcaag anaaagaana 60
gttactattg caggaacaga cattttttta aaaagcgaaa ctctgacac ccttaaaaca 120
gaaaacattg ttattcacat aataatgngg ggctctgtct ctgccgacag gggctgggtt 180
cgggcattag ctgtgccgtc gacaatagcc ccattcacc cttcataaaa tgctgctgct 240
acaggaaggg aacagcggtc ctccanaga gggatccacc ctggaacacg agtcacctcc 300
aaagagctgc gactgtttga naatctgcc aagaggaaaac cactcaatgg gacctggata 360
accagggccc gggagtcata gcaggatgtg gtactt 396

```

```

<210> 52
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 81, 189
<223> n = A,T,C or G

```

```

<400> 52
acctcgctaa gtgttcgcta cgcggggcta ccggatcggt cggaaatggc agagggtggag 60
gagacactga agcgactgca nagccagaag ggagtgcagg gaatcatcgt cgtgaacaca 120
gaaggcattc ccatcaagag caccatggac aacccaccca ccaccagta tgccagcctc 180
atgcacagnt tcctcctgaa ggcacggagc accgtgcgtg acatcgaccc ccagaacgat 240
ctcaccttcc ttcaattcg ctccaagaaa aatgaaatta tggttgcacc agataaagac 300

```

```
tatttctga ttgtgattca gaatccaacc gaataagcca ctctcttggc tccctgtgtc 360
attccttaat ttaatgcccc ccaagaatgt taatgt 396
```

```
<210> 53
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 224, 225, 228, 235, 240, 246, 257, 266, 274, 279, 281, 282,
283, 285, 287, 288, 290, 291, 292, 293, 294, 295, 296, 297,
300, 301, 303, 307, 311, 313, 314, 317, 318, 319, 320, 321,
323, 324, 328, 329, 330, 336, 337, 338, 339, 340, 341
<223> n = A,T,C or G
```

```
<221> misc_feature
<222> 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 356,
357, 358, 359, 362, 363, 364, 365, 366, 367, 373, 380, 381,
382, 385, 387, 388, 389, 390, 392
<223> n = A,T,C or G
```

```
<400> 53
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180
tttttttttt tttttttttt tttttttttt tttttttttt ttanntnttt tttntttttn 240
cctttntttt aattcanaaa aagaanaaga aaanataana nnnancnnan nnnnnnnatn 300
ntncttnata ntnnttnnnn nanngggnnn gcgagnnnnn nnnnnnnnnn nntctnnnnt 360
tnnnnnnctt gcncccttn nnttngnnnn angcaa 396
```

```
<210> 54
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 367
<223> n = A,T,C or G
```

```
<400> 54
ctcttggggc tgctgggact cgcgtcgggt ggcgactccc ggacgtaggt agtttgttgg 60
gcggggttct gaggccttgc ttctctttac tttccactc taggccacga tgccgcagta 120
ccagacctgg gaggagttca gccgcgtgc cgagaagctt tacctcgtcg accctatgaa 180
ggcacgtgtg gttctcaaat ataggcattc tgatgggaac ttgtgtgtta aagtaacaga 240
tgatttagtt tgtttggtgt ataaaacaga ccaagctcaa gatgtaaaga agattgagaa 300
attccacagt caactaatgc gacttatggt agccaaggaa gcccgcaatg ttaccatgga 360
aactgantga atggtttgaa atgaagactt tgtcgt 396
```

```
<210> 55
<211> 396
<212> DNA
<213> Homo sapiens
```

```

<400> 55
cgacgggtttg cgcgcagaac acaggtgtcg tgaaaactac ccctaaaagc caaaatggga 60
aaggaaaaga ctcatatcaa cattgtcgtc attggacacg tagattcggg caagtccacc 120
actactggcc atctgatcta taaatgcggt ggcacgcaca aaagaaccat tgaaaaattt 180
gagaaggagg ctgctgagat gggaaagggc tccttcaagt atgcctgggt cttggataaa 240
ctgaaagctg agcgtgaacg tggatcacc attgatatct ccttgtggaa atttgagacc 300
agcaagtact atgtgactat cattgatgcc ccaggacaca gagactttat caaaaacatg 360
attacagga catctcaggc tgactgtgct gtctctg 396

```

```

<210> 56
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 134, 145, 255, 279, 337, 344, 369
<223> n = A,T,C or G

```

```

<400> 56
tttttttttt ttttttctca ttttaactttt ttaatgggtc tcaaaattct gtgacaaatt 60
tttgggtcaag ttgtttccat taaaaagtac tgattttaaa aactaataac ttaaaactgc 120
cacacgcaaa aaanaaaacc aaagnggtcc acaaaacatt ctcttttct tctgaagggt 180
ttacgatgca ttgttatcat taaccagtct tttactacta aacttaaatg gccaatgaa 240
acaaacagtt ctganaccgt tcttccacca ctgattaana gtgggggtggc aggtattagg 300
gataatatct atttagcctt ctgagctttc tgggcanact tggngacott gccagctcca 360
gcagccttnt tgtccactgc tttgatgaca cccacc 396

```

```

<210> 57
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 52, 57, 58, 61, 72, 75, 77, 84, 87, 88, 93, 100, 101, 111,
117, 119, 121, 131, 132, 133, 134, 142, 143, 154, 156, 159,
167, 168, 170, 175, 176, 182, 183, 185, 186, 190, 192, 194,
198, 199, 200, 209, 212, 217, 218, 220, 232, 235, 253
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 255, 257, 258, 260, 262, 263, 270, 271, 273, 277, 280, 281,
284, 285, 289, 296, 297, 298, 303, 305, 307, 309, 310, 317,
322, 324, 337, 338, 342, 344, 346, 347, 349, 351, 356, 358,
366, 368, 371, 377, 380, 388, 389, 393, 396
<223> n = A,T,C or G

```

```

<400> 57
cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt tnaaaanntt 60
ntttttgcaa anccnancaa aaanggnngg aangaaaaan nggaaaaatt ntttttncnt 120
ntttgggaac nnnnagccct tnntttgaaa aaangnggnc ttaaaaanngn tgaannaaag 180
gnnanncn gntncttnnn tttaaaaaana anggggnngn ttttttttaa anaanatttt 240

```

```

ttttttccct aanancnnch anntgaaach ngncnncnch nctnncttna aagggnnnaa 300
atnanangnn aaaaaanccc tnanccccc cctttanntt tncnannana naaagncntt 360
ttgggnontg naaaaanaan ccttttntt gcnttn 396

```

```

<210> 58
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 58
cgacctcaaa tatgccttat ttgcacaaa agactgccaa ggacatgacc agcagctggc 60
tacagcctcg atttataatt ctgtttgtgg tgaactgatt ttttttaaac caaagtttag 120
aaagagggtt ttgaaatgcc tatggtttct ttgaatggta aacttgagca tcttttcact 180
ttccagtagt cagcaaagag cagtttgaat tttcttgctg ctccctatca aaatattcag 240
agactcgagc acagcaccca gacttcatgc gcccggtggaa tgctcaccac atgttggtcg 300
aagcgccga cactgactt tgtgacttag gcggctgtgt tgccatgta gagaacacgc 360
ttcaccccca ctcccgtac agtgcgacac ggcttt 396

```

```

<210> 59
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 25, 45, 116, 178, 198, 211, 225, 235, 253, 266, 281, 324,
367, 377, 389
<223> n = A,T,C or G

```

```

<400> 59
cttttttttt tttttttttt tcagnggaaa ataactttta ttganacccc accaactgca 60
aaatctgttc ctggcattaa gtccttctt cctttgcaat tcggtctttc ttcagnngtc 120
ccatgaatgc tttcttctcc tccatggtct ggaagcggcc atggccaaac ttggaggngg 180
tgtcaatgaa cttaaggnca atcttctcca nageccgcgc cttcntctgc accancaagg 240
acttgcgag ggngagcacc cgttntttgg tccccaccac ncagcctttc agcatgacaa 300
agtcattggt cacttcacca tagnggacaa agccacccaa agggttgatg ctccctggca 360
aataggnca atgcacngga ggcattgtnc ttgatc 396

```

```

<210> 60
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 60
acctcagctc tcggcgcaag gccagcttc cttcaaaatg tctactgttc acgaaatcct 60
gtgcaagctc agcttgagg gtgatcactc tacaccccca agtgcataat ggtctgtcaa 120
agcctatact aactttgatg ctgagcggga tgctttgaac attgaaacag ccatcaagac 180
caaagggtgt gatgagggtc ccattgtcaa cattttgacc aaccgcagca atgcacagag 240
acaggatatt gccttcgcct accagagaag gacaaaaaag gaacttgcat cagcactgaa 300
gtcagcctta totggccacc tggagacggt gattttgggc ctattgaaga cacctgctca 360
gtatgacgct totgagctaa aagcttccat gaaggg 396

```

```

<210> 61
<211> 396

```

<212> DNA  
<213> Homo sapiens

<400> 61  
tagcttgctg gggacggtaa ccgggacccg gtgtctgctc ctgtcgccctt cgcctcctaa 60  
tccctagcca ctatgcgtga gtgcatctcc atccacgttg gccaggctgg tgtccagatt 120  
ggcaatgcct gctgggagct ctactgctg gaacacggca tccagcccga tggccagatg 180  
ccaagtgaca agaccattgg gggaggagat gactccttca acaccttctt cagtgcagacg 240  
ggcgctggca agcacgtgcc ccgggctgtg tttgtagact tggaaccac agtcattgat 300  
gaagttcgca ctggcaccta ccgccagctc ttccaccctg agcagctcat cacaggcaag 360  
gaagatgctg ccaataacta tgcccaggag cactac 396

<210> 62  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 261, 269, 313, 333, 346, 354, 359, 390, 394, 395, 396  
<223> n = A,T,C or G

<400> 62  
tcgacgtttc ctaaagaaaa ccactctttg atcatggctc tctctgccag aattgtgtgc 60  
actctgtaac atctttgtgg tagtccgtgt ttcctaataa ctttgttact gtgctgtgaa 120  
agattacaga tttgaacatg tagtgtagct gctgttgagt tgtgaactgg tgggccgtat 180  
gtaacagctg accaacgtga agatactggt acttgatagc ctcttaagga aaatttgctt 240  
ccaaatttta agctggaaaag nacttgant aactttaaaa aagaattaca atacatggct 300  
ttttagaatt tcnttacgta tgtaagatt tngntacaaa ttgaantgtc tgnctganc 360  
ctcaaccaat aaaatctcag tttatgaaan aaannn 396

<210> 63  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 3, 11, 16, 18, 23, 26, 30, 34, 37, 50, 51, 60, 61, 62, 63,  
64, 75, 82, 83, 84, 85, 87, 89, 93, 94, 97, 98, 99, 118,  
119, 120, 122, 134, 136, 138, 139, 141, 144, 145, 147, 152,  
156, 187, 188, 193, 195, 204, 211, 214, 216, 222, 226  
<223> n = A,T,C or G

<221> misc\_feature  
<222> 228, 235, 242, 258, 264, 265, 269, 275, 294, 298, 301, 307,  
316, 326, 334, 335, 339, 340, 343, 350, 351, 355, 373, 378,  
390  
<223> n = A,T,C or G

<400> 63  
ttnttttttt ntntntnttt ttntcnttgn ttgnaengaa cccggcgctn nttccccacn 60  
nnnnacggcc gccentattc annntntcnt canntannna ccgcaccctc ggactgcnnn 120  
tngggccccg ccgncnannc nccnncccc anttncgcg ccgcgcggcc gccttttttt 180

<400> 66					
tcgacttttt	tttttcagg	acattgtcat	aattttttat	tatgtatcaa	attgtcttca 60
atataagtta	caacttgatt	aaagtttgata	gacatttgta	tctattttaaa	gacaaaaaaaa 120
ttctttttatg	tacaatatct	tgtctagagt	ctagcaaaa	tagtaccttt	caatgcagga 180
tttctgctta	atataacaag	caaaaacaaa	caactqaaaa	aatataaaacc	aaqgcaaaacc 240



```

aaaccccccg ctcaactaca aatgtcaata ttgaatgaag cattaataaga caaacataaa 300
gtaacttcag cttttatcta gcaatgcaga atgaatacta aaattagtgg caaaaaaaca 360
aacaacaaac aacaaacaaa acaaaaacaaa caaaca 396

```

```

<210> 67
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 67
acgcttttgt ccttcatttt aactgttatg tcatactggt atgttgacat atttctttat 60
aagagaatag aggcaaaagt atagaactga ggatcatttg tatttttgag ttggaaatta 120
tgaaacttca ccatattatg atcacataata ttttgaagaa cagactgacc aaagctcacc 180
tgttttttgt gttagggtgt ttggctgaac ttgattccag cccctttttc cctttggtgt 240
tgtgtatgtc tcttcatttc ctctcaaata ttcaactott gcccatgtc tccttggcag 300
caggatgctg gcatctgtgt agtctcata ctgtttactg ataaccacaa aattcatttt 360
catggcagac ctaagctcag acctgcctt gtcctg 396

```

```

<210> 68
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 68
acctgagtc tgtcctttct ctctccccgg acagcatgag cttcaccact cgtccacact 60
tctccaccaa ctaccggtcc ctgggctctg tccaggcgcc cagctacggc gcccggccgg 120
tcagcagcgc ggccagcgtc tatgcaggcg ctgggggctc tggttcccgg atctccgtgt 180
cccgtccac cagcttcagg ggccgcatgg ggtccggggg cctggccacc gggatagccg 240
ggggtctggc aggaatggga ggcattccaga acgagaagga gaccatgcaa agcctgaacg 300
accgctggc ctcttacctg gacagagtga ggagcctgga gaccgagaac cggaggctgg 360
agagcaaaat ccgggagcac ttggagaaga agggac 396

```

```

<210> 69
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 4, 6, 8, 9, 11, 18, 19, 36, 53, 60, 64, 79, 84, 92, 94,
97, 105, 114, 120, 123, 127, 129, 134, 137, 138, 139, 142,
143, 147, 149, 151, 152, 156, 158, 167, 170, 172, 180, 182,
184, 187, 188, 189, 194, 197, 201, 209, 212, 218, 219
<223> n = A,T,C or G

<221> misc_feature
<222> 220, 222, 223, 225, 228, 229, 230, 232, 233, 236, 242, 244,
247, 250, 251, 253, 256, 257, 259, 261, 270, 271, 274, 277,
278, 279, 282, 284, 288, 289, 296, 298, 300, 310, 315, 316,
320, 321, 324, 328, 330, 331, 334, 336, 340, 347, 350
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 352, 353, 355, 359, 361, 362, 364, 367, 370, 372, 374, 376,

```

382, 388, 390, 394, 396

<223> n = A,T,C or G

<400> 69

```
ntcncngnng ntgtggtntt ttttttaatt tttatntttt cttttttttt ctngctagen 60
cttncttttt ttggaattnc ggtncctttt tntntcnatt ttttngacaa aaanaacctn 120
ttnttttnana ccanagnnng gnnacacnct nnaatntncc ctttttncgn tngggagctn 180
cncnttnnnc gccnaentca ntcgagacng tnccttttnnn tnnancannn tnngtncggt 240
gncngcnttn ntncannant nttccctatn nacntgnnt cncncatnnt tggacnancn 300
cctagccttn ccatnntttt ntntttntn natnancctn gaaaacntcn gnnttttcnc 360
nncnttnccn cncncncctt cntatgtncn atgnnc 396
```

<210> 70

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 15, 38, 57, 59, 63, 64, 65, 66, 68, 78, 79, 84, 87, 90, 97,  
114, 115, 127, 128, 141, 143, 145, 151, 159, 168, 169, 172,  
173, 176, 178, 197, 198, 207, 209, 211, 215, 220, 221, 223,  
225, 228, 240, 248, 249, 260, 262, 263, 273, 283, 287

<223> n = A,T,C or G

<221> misc\_feature

<222> 294, 304, 314, 334, 339, 340, 348, 362, 367, 376, 382, 384,  
386, 395

<223> n = A,T,C or G

<400> 70

```
tttttttttt tttntttttt tttttttttt ttttttntt tttttttttt tttttntnc 60
aannntnaa cttttaanng gccncngcn cccaanggg gacctgctt ttgnnggcta 120
aatgccnaa aactttgggg nantnggtat naaaccnc cttgccnnc annttncngg 180
gggggggggg tttttgnngg ggaacangna naacnttttn ncnanggnat caccaaaaan 240
aaagcccnnc cttttttccn annggggggg ggngggggga aantcanccc ccanattgac 300
cttnatttca aaanggggct tataatcctg ggcntggann cttccctnta cccggggggt 360
gnccacnttt tattanaggg gnangnggat cccent 396
```

<210> 71

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 15, 21, 30, 33, 35, 36, 42, 43, 44, 45, 46, 51, 56, 58, 59,  
63, 70, 77, 81, 88, 94, 95, 96, 97, 101, 102, 109, 114,  
118, 119, 120, 124, 131, 132, 133, 134, 135, 141, 142, 143,  
144, 145, 146, 148, 149, 154, 158, 162, 164, 166, 172

<223> n = A,T,C or G

<221> misc\_feature

<222> 177, 179, 181, 184, 185, 213, 216, 218, 219, 222, 223, 224,

230, 231, 240, 241, 242, 245, 247, 251, 252, 255, 258, 259,  
 261, 264, 268, 269, 272, 276, 285, 288, 289, 291, 292, 293,  
 297, 299, 300, 307, 312, 315, 316, 317, 325, 329, 334  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 340, 341, 347, 350, 354, 355, 357, 360, 361, 367, 368, 370,  
 371, 376, 377, 378, 387, 393, 394  
 <223> n = A,T,C or G

<400> 71  
 gcatctagag ggccngttta ntctagaggn ccngnntaaa cnnnnncatc nacctncnnt 60  
 gncctgctn gttgccnccc ntctgtgnet tgcnnnnccc nngagcgtnc cttnacccnn 120  
 gaangtgcct nnnnnactga nnnnnncnna taanatgngg anantncgtc gncattntnt 180  
 natnnggggt gatgctattc tgggggggtgg ggnggngnna tnnnatactn nggggacgtc 240  
 nnatnangag nnatntcnng nttntctnnt gntttntggg gggcnatnng nnntctntnn 300  
 ggactctcg cncannnatc aatancttna ttngtgtan ngtcgcgnccn tagnnncngcn 360  
 ngtactnnan ngttgnnntc attactnttc gtnngg 396

<210> 72  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 2, 23, 27, 34, 35, 36, 37, 39, 41, 45, 55, 56, 59, 61, 88,  
 92, 96, 97, 98, 101, 103, 104, 106, 108, 111, 114, 115,  
 121, 128, 129, 131, 159, 170, 191, 202, 227, 233, 235, 240,  
 262, 268, 271, 272, 280, 281, 303, 304, 305, 311, 316, 317  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 321, 324, 336, 344, 345, 353, 360, 362, 363, 364, 365, 366,  
 370, 373, 389, 391, 392, 394, 395  
 <223> n = A,T,C or G

<400> 72  
 tntttttttt tttctaaaac atnactnttt attnnnnang nttntgaac ctctnngcnt 60  
 natggtgaga gtttgtctga ttaataanaa tngganntt nannanangc ntgnncgcaa 120  
 ngatggcnnc nctgtatata ccaccatccc attacactnt gaaccttttn ttgattaat 180  
 aaaaggaagg natgcgggga anggggaaag agaatgcttg aacattncca tgngnccttn 240  
 gacaaaacttt ccaatggagg cnggaacnaa nnaccaccan ncaactcccc tttttgtaat 300  
 tttnnaactt ncaacncta nctntttatt ttggcntccc tggnggaaac agnctgtatn 360  
 annnnaagn cntgagaac atccctggnt nncnna 396

<210> 73  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 7, 9, 14, 23, 35, 38, 44, 48, 50, 61, 74, 76, 79, 80,

85, 86, 91, 95, 101, 109, 112, 113, 117, 118, 121, 122,  
127, 129, 132, 137, 141, 146, 214, 234, 243, 251, 266, 296,  
305, 306, 336  
<223> n = A,T,C or G

<400> 73  
ntcaacntng actnctgtga ggnatggtgc tggngngenta tgcngtgngn ttttggatac 60  
naccttatgg acantngcnn tcccnnggaa ngatnataat ncttactgna gnnactnnaa 120  
nnttcntnt cnaaaangtt naaaancatt ggatgtgcc caatgatgac agtttatttg 180  
ctactcttga gtgctataat gatgaagatc ttanccacca ttatcttaac tgangcacc 240  
aanatggtga nttggggaac atatanagta cacctaagtt cacatgaagt tgtttnttcc 300  
caggnnctaa agagcaagcc taactcaagc cattgncaca caggtgagac acctctattt 360  
tgtacttctc acttttaagg gattagaaaa tagcca 396

<210> 74  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 22, 118  
<223> n = A,T,C or G

<400> 74  
cctttttttt tttttttact gngaatatat acttttttatt tagtcatttt tgttttacaat 60  
tgaaactctg ggaattcaaa attaacatcc ttgcccgatga gcttcttata gacaccanaa 120  
aaagtttcaa ccttgtgttc cacattgttc tgctgtgctt tgtccaaatg aacctttatg 180  
agccggctgc catctagttt gacgcggatt ctcttgccca caatttcgct tgggaagacc 240  
aagtccctca ggatggcatc gtgcacagct gtcagagtac ggctcctggg acgcttttgc 300  
ttattttttg tacggctttt tcgagttggc ttaggcagaa ttctcctctg agcgataaag 360  
acgacatgct tcccactgaa ctttttctcc aattcg 396

<210> 75  
<211> 396  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 14, 38, 41, 43, 47, 53, 73, 75, 78, 83, 96, 112, 113, 117,  
124, 127, 146, 160, 167, 169, 176, 177, 178, 179, 194, 197,  
198, 209, 210, 220, 222, 226, 227, 231, 238, 241, 244, 258,  
259, 260, 270, 271, 274, 288, 301, 302, 305, 307, 316  
<223> n = A,T,C or G

<221> misc\_feature  
<222> 319, 328, 339, 344, 347, 354, 359, 364, 367, 369, 370, 371,  
373, 374, 381, 384, 387, 388  
<223> n = A,T,C or G

<400> 75  
tttttttttt tttntttttt tttttttttt ttttttttnaa ntntaanggg ganggcccct 60  
tttttttaaa ctngncntt ttnctttcct ttttttnaaaa ggaaaaaaa anntttnttt 120

```

ttcnttnaaa aacccttttt cccacnaaca aaaaaaacn tccccntnc cttttnnna 180
aaaaaaagg gctnggnntt tccccttann caaaaaacn tntccnngg naaaaaantt 240
ntcnccggg gggaaacnnn tgggggtgtn nccnaaat tttggggccntc ggaagggggg 300
nnccnccct aaagangtnt ttcaaaaana aaaccccnt cctnttntaa aaanaaaana 360
aaanaangnn ngnttttttt ntcnttnncc ccccaa 396

```

```

<210> 76
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 87, 94, 102, 108, 138, 139, 143, 144, 145, 146, 151, 152,
158, 168, 170, 171, 187, 204, 206, 224, 261, 262, 267, 268,
270, 287, 305, 306, 313, 315, 319, 320, 330, 331, 333, 342,
344, 348, 349, 356, 358, 360, 362, 368, 374, 376, 381
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 390
<223> n = A,T,C or G

```

```

<400> 76
acattcttca gaaatacagt gatgaaaatt cattttgaaa ctcaaattatt ttcattttgg 60
atattctcct gtttttatta aaccagngat taaccttggc cntccctnta aatgttctag 120
gaaggcatgt ctgttgtnnt ttnnnnaaaa nnaaatntt tttttttngn naaaccccaa 180
atcccanttt atcaggaagt tagncnaatg aaatggaaat tggntaatgg acaaaagcta 240
gcttgtaaaa aggaccaccc ncccacnngn ctttaccccc ttggttngtt gggggaaaaa 300
ccatnnttaa cntnttggnn aaaattgggn ncntaaagtt tncntggna acagtncntn 360
cngtattnaa ttgnenttat nggaaaatcn gggatt 396

```

```

<210> 77
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 63, 66, 81, 83, 89, 107, 115, 118, 147, 151, 190, 232, 275,
288, 294, 304, 323, 332, 369, 392
<223> n = A,T,C or G

```

```

<400> 77
tttttttttt tttttttttt tttttttttt tatcaacatt tatatgcttt attgaaagtt 60
ganaanggca acagttaaat ncnnggacnc cttacaattg tgtaanaaac atgcncanaa 120
acatatgcat ataactacta tacaggngat ntgcaaaaac cctactggg aaatccattt 180
cattagttan aactgagcat ttttcaaagt attcaaccag ctcaattgaa anacttcagt 240
gaacaaggat ttacttcagc gtattcagca gctanatttc aaattacnca aagnagtaa 300
ctnggccaaa ttcttaaaat ttntttaggg gnggtttttg gcatgtacca gtttttatgt 360
aaatctatnt ataaaagtcc acacctctc anacag 396

```

```

<210> 78
<211> 396

```

<212> DNA  
<213> Homo sapiens

<220>

<221> misc\_feature

<222> 8, 14, 16, 20, 26, 28, 36, 38, 39, 40, 51, 52, 55, 57, 58,  
67, 71, 114, 120, 132, 138, 142, 159, 165, 169, 172, 174,  
175, 183, 187, 195, 197, 198, 200, 202, 206, 209, 243, 259,  
260, 267, 283, 292, 305, 311, 315, 317, 319, 323, 324

<223> n = A,T,C or G

<221> misc\_feature

<222> 331, 333, 334, 338, 343, 348, 353, 355, 357, 366, 376, 388

<223> n = A,T,C or G

<400> 78

```
agctggcnaa aggnngnatgn gctgcnangc gattangnnn ggtaacgtca nnggnntnncc 60
agtgcangac nttgtaaaac gacggccaca tgaattgtaa tacgactcac tatngggcgn 120
attggggccgt gnaggatngt gntcacactc gaatgtatnc tggcngatnc ananngcttt 180
atngctnttg acggngnntn anccanctng ggctttaggg ggtatcccct cgccccctgct 240
tcnttgatit gcacgggcnn ctccgantt cttcataata ccngacgctt cnatccccta 300
gctcngacct ntcantntnt tcnntgggtt nttnccgntc acngcttncc cgnangntat 360
aatctnggct cctttingga tccattantc tttact 396
```

<210> 79

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 116, 153, 189, 194, 210, 218, 241, 270, 272, 288, 291, 304,  
324, 325, 329, 333, 334, 338, 340, 342, 366, 372, 377, 384,  
396

<223> n = A,T,C or G

<400> 79

```
caccaaccaa aacctggcgc cgttggcatc gtagagtga cacaacccaa aaacgatacg 60
ccatctgttc tgccctggct gcctcagccc taccagcact ggtcatgtct aaaggncatc 120
gtattgagga agttcctgaa cttcctttgg tangttgaag ataaagctga aggctacaag 180
aagaccaang aagntgtttt gtccttaan aaacttanac gcctggaatg atatcaaaaa 240
ngctatgcct ctcagcgaat gagactggan angcaaaatg agaaaacntc nccgcatcca 300
gcgnaggggc cgtgcatctc tatnntgang atnntggan cnttcaaggc cttcagaacc 360
tccctngaaa tncctnctt taangaacca aactgn 396
```

<210> 80

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 312, 319, 353, 383

<223> n = A,T,C or G

```

<400> 80
tgtacatagg catcttattc actgcaccct gtcacaccca gcaccccccg cccgcacat 60
tatttgaaag actgggaatt taatggttag ggacagtaaa tctacttctt ttccagga 120
cgactgtccc ctctaaagtt aaagtcaata caagaaaact gtctatTTTT agcctaaagt 180
aaaggctgtg aagaaaattc attttacatt gggtagacag taaaaaaca gtaaaataac 240
ttgacatgag cacctttaga tccttccctt catggggctt tgggccaga atgacctttg 300
aggcctgtaa anggattgna atttcctata agctgtatag tggagggatt ggnggggtcat 360
ttgagtaagc cctccaagat acnttcaata cctggg 396

```

```

<210> 81
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 240, 286, 361, 364, 374, 375, 379, 380, 381, 387
<223> n = A,T,C or G

```

```

<400> 81
gcagctgaag ttcagcaggt gctgaatcga ttctcctcgg cccctctcat tccacttcca 60
accctccca ttattccagt actacctcag caatttgtgc ccctacaaa tgtagagac 120
tgtatacgcc ttcgaggtct tccctatgca gccacaattg aggacatcct gcatttcctg 180
ggggagttcg ccacagatat tcgtactcat ggggttcaca tggttttgaa tcaccaggn 240
ccgccatcag gagatgcctt tatccagatg aagtctgcgg acagancatt tatggctgca 300
cagaagtggc ataaaaaaaa catgaaggac agatatgttg aagttttcag tgcagctga 360
nganagaaca ttgnngtann nggggnact ttaaat 396

```

```

<210> 82
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 220, 251, 297, 301, 309, 349, 395
<223> n = A,T,C or G

```

```

<400> 82
gactcagaaa tgtcagttc atgaagttca aaagatcgag aatgtttgct atcttggtgg 60
agcagccgca gccaaagcaag taacttgtaa aatgaggaat gccatcacc ctcgagtgtc 120
catcccat aacttgggg tagagcaca gcgttcccag gaactactca ccttaccatc 180
ttggccgttt catttgctt caccagttct ggaaagagan ggcctagaag ttcaaaaaa 240
aagtaggaaa ngtgcttttg gagaaaatca cctgctcctc agaactgggc ttacaanctg 300
ngaagtacnc tatgtgccac ctaatcctca tatatgacct caagagacnc caataagcat 360
attccacca cggaatgacc agtgctttgg gtaana 396

```

```

<210> 83
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> 13, 372, 379, 393  
 <223> n = A,T,C or G

<400> 83  
 tttgatttaa ganatttatt attttttttaa aaaaagcaac ttccaggggtt gtcattgtac 60  
 aggttttgcc cagtctccta tagcatggta tagtgataac tgatttttta taacaatgac 120  
 tcagaggcat tgaagatcca taactatott ctgaattatc acagaaagaa gaaagttaga 180  
 agagtttaat gttaagtgtg ttaaaaaatca tatttctaatt cttttaattt ggttatctga 240  
 gtatgataat ataggagagc tcagataaca aggaaaaggc attggggtaa gaacactcct 300  
 tcccacagga tggcattaac agactttttc tgcatatgct ttatatagtt gccaaactaat 360  
 tcacctttta cncagcttna ttttttttta ctnggg 396

<210> 84  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 61, 232, 254, 270, 271, 286, 354, 356, 368, 374, 389, 394  
 <223> n = A,T,C or G

<400> 84  
 tttttacagc aattttttttt tattgatgtt taacctgtat acaaccatac ccatttttaag 60  
 ngtacagaca aatgaatttt gacaaattca ttcaactcatc taatcatcac tataaccatg 120  
 atacagattt ttatcaactcc aaaagtccat cctgtgctct tttcaagtcc atcctcctca 180  
 tctgataccc caagccacca ttgttttgc tcttggaact acagtttttg gnttttagaa 240  
 tttcatatat ggtngaataca taccatttgn natttggggc tgacgncctt cctccaataa 300  
 tggatttgag aattatctac attttgcatt gatcctgggt tatttataacc aacnanggg 360  
 tattatgnaa aatnggacca caatttgng gcanta 396

<210> 85  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 293, 305, 306, 317, 347, 357, 372, 377, 386, 391  
 <223> n = A,T,C or G

<400> 85  
 cagtgaccgt gtcctaccc agctctgctc cacagcgccc acctgtctcc gccctcggc 60  
 cctcgccc gctttgccta accgccacga tgatgttctc gggcttcaac gcagactacg 120  
 aggcgtatc ctcccgtgc agcagcgct ccccgccgg ggatagcctc tcttactacc 180  
 actacccgc agactccttc tccagcatgg gctcgctgc aacgcgcagg acttctgcac 240  
 ggacctggc gctccagtgc caacttcatt ccacggcact gcctctcgac canccggact 300  
 tgcanngggt ggggaanccg ccttgtttc tccgtggccc atctaanacc aaaccntca 360  
 ccttttcgga gncccccnc ctcgntggg nttact 396

<210> 86  
 <211> 396  
 <212> DNA



<213> Homo sapiens

<220>

<221> misc\_feature

<222> 5, 6, 28, 50, 58, 90, 108, 110, 118, 145, 154, 194, 244,  
285, 292, 300, 312, 315, 342, 344, 346, 359, 374, 378, 380,  
396

<223> n = A,T,C or G

<400> 86

```
ttttnnactg aatgtttaat acatttgnag gaacagaaga aatgcagtan ggattaanat 60
tttataatta gacattaatg taacagatgn ttcatttttc aaagaagntn ccccttntc 120
cctatctttt tttaatcttc ctanagcaa taantagtaa ttactatatt tgtggacaag 180
ctgctccact gtgntggaca gtaattatta aatctttatg tttcacatca ttattacctt 240
ccanaattct accttcattt ccctgcacag gtgcactgga ctggntcaca ancaaattgn 300
actccactca antanaagag cccaaagaaa ttagagtaac gncnancct atgaattana 360
gacccaaaga ttnnaggngn tgattagaaa cataan 396
```

<210> 87

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 231, 277, 285, 296, 341, 351, 372, 377, 380

<223> n = A,T,C or G

<400> 87

```
atggaggcgc tggggaagct gaagcagttc gatgcctacc ccaagacttt ggaggacttc 60
cgggtcaaga cctgcggggg cggcaccgtg accattgtca gtggccttct catgctgcta 120
ctgttcctgt ccgagctgca gtattacctc accacggagg tgcctcctga gctctacgtg 180
gacaagtcgc ggggagataa actgaagatc aacatcgatg tactttttcc ncacatgcct 240
tgtgcctatc tgagtattga tgccatggat gtggccngag aacancagct ggatgnggaa 300
cacaacctgt ttaagccacc actagataaa gatgcctccc ngtgagctca nagctgagcg 360
gcatgagctt gngaaantcn aggtgaccgg gtttga 396
```

<210> 88

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 246, 266, 301, 328, 347, 349, 368, 370, 371, 374, 379, 387,  
391

<223> n = A,T,C or G

<400> 88

```
tccagagcag agtcagccag catgaccgag cgcgcgctcc ccttctcgct cctgcggggc 60
cccagctggg accccttcgc cgactggtag ccgcatagcc gctcttcgac caggccttcg 120
ggctgccccg gctgcgggag gagtggtagc agtggtagg cggcagcagc tggccaggct 180
acgtgcgccc cctgcccccc gccgcacaga gagccccgca gtggccgcgc ccgctacagc 240
cgcgcngctc agccggcaac tcacancggg gctcggagat ccgggacact gcggaccgct 300
```

```

ngcgcgtgcc ctggatgtca ccactttngc ccggacaact gacggtnana caaggatggg 360
gggtgganan nccngtaanc caagaanggg naggac 396

```

```

<210> 89
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 37, 76, 230, 295, 306, 333, 346, 370, 376, 377, 395
<223> n = A,T,C or G

```

```

<400> 89
gagagaacag taaacatcca gccttagcat ctctcangag tactgcagat cttcattagc 60
tatattcaca tggagnaatg ctattcaacc tatttctctt atcaaaacta attttgtatt 120
ctttgaccaa tgttcctaaa ttcaactctgc ttctctatct caatcttttt cccctttctc 180
atcttttctc cttttttcag ttcttaactt tcactggttc ttgggaatgn tttttctttc 240
atctcttttc ttttacattt tgggggtgtcc cctctctttt cttacctctt ttctncatcc 300
ttcttnttct tttgaattgg ctgcccttta tctctcctc tgctgncatc ttcattttctc 360
ctccctcctn ttccnntca ttctactctc tccent 396

```

```

<210> 90
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 82, 110, 115, 120, 121, 125, 126, 129, 131, 140, 141, 144,
145, 146, 148, 149, 150, 153, 154, 157, 158, 160, 161, 163,
164, 166, 170, 172, 173, 174, 175, 179, 182, 184, 189, 193,
194, 195, 200, 206, 213, 215, 217, 218, 219, 220, 227
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 228, 231, 233, 236, 241, 247, 248, 249, 250, 254, 259, 262,
269, 273, 274, 275, 280, 281, 282, 286, 287, 289, 293, 294,
301, 302, 304, 309, 311, 318, 319, 324, 325, 330, 331, 333,
334, 336, 337, 341, 342, 343, 344, 349, 352, 353, 358
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 361, 365, 367, 373, 377, 381, 385, 386, 387, 392
<223> n = A,T,C or G

```

```

<400> 90
gggcgcgcgc gcgccccccc acccccgcgc cagctctcgt cgcgcgcgcg tccgctgggg 60
gcggggagcg gtcgggcgcg cngcggtcgg ccggcggcag ggtggtgcgn tttctttttn 120
nattnnccnc nttcttcttn nttnnnnnnn ctnttannen nttnnctttn cnnnttttnc 180
tnttctttna cennnttttn taatctctct ctncntnnnn tctctttnnat ntnttncctta 240
nttctttnnn tttnttctnt cntttctcnc ctnnntcten nntctennnc tenncaatttt 300
nntnttttnt ncttctntnt cttnnttctn ntntntnttt nnnnttctnt tnttcatntt 360
nctntnttta ctntcanctt ntatnnnctt cntttt 396

```

<210> 91  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 3, 8, 9, 16, 17, 18, 21, 22, 32, 33, 45, 50, 63, 64, 68,  
 75, 82, 92, 95, 98, 102, 106, 108, 110, 111, 116, 121, 135,  
 151, 154, 158, 162, 167, 170, 176, 181, 185, 187, 209, 212,  
 215, 225, 231, 245, 257, 278, 283, 288, 290, 292, 293  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 312, 324, 326, 330, 331, 333, 334, 344, 345, 349, 351, 352,  
 357, 358, 382, 384, 390, 392  
 <223> n = A,T,C or G

<400> 91  
 ntntcctnna tttttnnntc nncitttttt tnnaattttt ctttnttttn tttataaaaa 60  
 tcnnacacnta aaacngcgga anaggggatt tnttnttngg gngtancncn nggccncaaa 120  
 naacccccaaa aatancccaa aatgcacagg nccngggnaa angaccnacn tgggtntttt 180  
 ntttntnaac aaggggggtt ttaaagggna tnggnatcaa aggggnataaa ntttaaacct 240  
 ttganaaaatt ttttaanagg cttgcccccc actttgggcc cccccccncn gnnggggatec 300  
 aatttttttt cnttggggct ccngncccn nannttcogg gttnttggnc nntcctnntt 360  
 tttttttttt tgccttcacc cntnccattn cntttt 396

<210> 92  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 3, 7, 8, 9, 11, 31, 149, 152, 221, 233, 259, 263, 264, 265,  
 266, 274, 278, 279, 283, 286, 294, 302, 307, 309, 310, 311,  
 314, 316, 320, 343, 351, 363, 372, 377, 386, 393  
 <223> n = A,T,C or G

<400> 92  
 ctntttnnnt ntttttttcc ccatcatcca naaatgggtt ttattctcag cagagggaca 60  
 gcaggactgg taaaaactgt caggccacac ggttgctgc acagaccccc catgcttggg 120  
 aggggggtgg agggatggcg ggggctggnt gnccacaggc cgggcatgac aaggaggctc 180  
 actggagggtg gcacactttg gagtgggatg tcgggggaca ncttcttttg tanttgggcc 240  
 acaagattcc caaggatanc acnnnnactg attnccannc tanagncaag cggntggcca 300  
 tntgtangnn nttntntatn tgactattta tagattttta tanaacaggg naagggcata 360  
 ccncaaaagg gnccaanttt ttaccnccgg gcnccc 396

<210> 93  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 290, 304, 313, 320, 325, 333, 337, 348, 351  
 <223> n = A,T,C or G

<400> 93  
 gctgccacag atctgttcct ttgtccgttt ttgggatcca caggccctat gtatttgaag 60  
 ggaaatgtgt atggctcaga tcctttttga aacatatcat acagggttgca gtccctgacct 120  
 aagaacagtt ttaatggacc actatgagcc cagttacata aagaaaaagg agtgctacct 180  
 atgtttctcat ccttcagaag aatcctgcga acggagcttc agtaatatat cgtggcttca 240  
 catgtgagga agctacttaa cactagttac tctcacaatg aaggacctgn aatgaaaaat 300  
 ctgnttctaa ccnagtcctn tttanatttt agngcanatc cagaccancg ncgggtgctcg 360  
 agtaattctt tcatgggacc tttggaaaac tttcag 396

<210> 94  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 115, 204, 205, 243, 266, 276, 316, 319, 355, 357, 364  
 <223> n = A,T,C or G

<400> 94  
 tgccttaacc agtctctcaa gtgatgagac agtgaagtaa aattgagtgc actaaacgaa 60  
 taagattctg aggaagtctt atcttctgca gtgagtatgg cccaatgctt tctgnggcta 120  
 aacagatgta atgggaagaa ataaaagcct acgtgttggt aaatccaaca gcaagggaga 180  
 tttttgaatc ataataactc atanngtgct atctgtcagt gatgcoctca gagctcttgc 240  
 tgntagctgg cagctgacgc ttctangata gttagnnttg aaatggctct cataataact 300  
 acacaaggaa agtcancnc cgggcttatg aggaattgga ctttaataaat ttagngngct 360  
 tccnacctaa aatatactt ttggaagtaa aattta 396

<210> 95  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 11, 16, 31, 36, 42, 49, 53, 56, 57, 60, 67, 70, 84, 89, 91,  
 92, 99, 105, 106, 112, 120, 121, 125, 127, 128, 133, 137,  
 141, 151, 152, 153, 154, 155, 162, 166, 167, 168, 174, 177,  
 179, 186, 188, 194, 195, 199, 203, 205, 213, 217, 221  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 227, 232, 235, 236, 240, 242, 260, 261, 265, 266, 291, 297,  
 318, 325, 330, 339, 348, 351, 352, 354, 356, 362, 364, 372,  
 380, 392, 395, 396  
 <223> n = A,T,C or G

<400> 95  
 cctcccaccc ncttanttca tgagattcga naatgncact tntgtgctnt ttncntnttn 60

```
tattctnaen atttctttct tggngcggna nnaatcccnt ttttnngggc gnetctcccn 120
ncttntnntt tcntggngct ntcccttttc nnnnnaaact tntacnnngt ttanaantnt 180
ttctgnangg ggggnntccna aananttttt cncctnctt nattecnctc tnaannctcn 240
cnaattgttt ccccccccn ntagnntatt ttttctaaaa aattaactcc nacgganaaa 300
attttcccta aaatttcncc tccanatttn gaaaaaacnc gcccgganct nntntncgaa 360
tntnaatttt tnaaaaaaan ttattttcat cngggn 396
```

<210> 96

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 161, 193, 253, 259, 281, 288, 299, 309, 318, 319, 335, 340,  
344, 352, 355, 356, 387, 396

<223> n = A,T,C or G

<400> 96

```
cctgggtacc aaatttcttt atttgaagga atggtacaaa tcaaagaact taagtggatg 60
ttttggacaa cttatagaaa aggtaaagga aacccaaca tgcattgact gccttggcga 120
ccagggaagt caccacacgg ctatggggaa attagccga ngcttaactt tcattatcac 180
tgcttccaag gngtgcttg gcaaaaaaat attccgccaa ccaaatacgg cgctccatct 240
tgcccagttg gtncgggnc cccaattctt ggatgctttc nctcttntt ccggaatgng 300
ctcatgaant cccccaanng gggcattttg ccagnggccn tttngccatt cnagnnggcc 360
tgatecattt tttccaatgt aatgcenctt cattgn 396
```

<210> 97

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 13, 15, 16, 19, 23, 31, 38, 39, 41, 45, 68, 94, 95, 100,  
119, 131, 133, 141, 144, 164, 171, 182, 186, 190, 191, 195,  
196, 198, 213, 229, 231, 235, 239, 247, 257, 265, 269, 272,  
278, 279, 286, 289, 291, 306, 309, 310, 312, 317, 320

<223> n = A,T,C or G

<221> misc\_feature

<222> 321, 327, 328, 337, 340, 343, 351, 360, 361, 368, 375, 381,  
385, 386, 387, 388

<223> n = A,T,C or G

<400> 97

```
ctcaccctcc tcntnttnt canaatattg ngaacttnt nctgntcgaa tcaactggcat 60
taaagganca ctagctaatt gcactaaatt tacnnactan ggaaactttt ttataatant 120
gcaaaaaacat ntnaaaaaga ntgnagtctg cccatttctg cttnggaaga nctcttcaact 180
tntaancccn natgnngncc tttgggtcaa aanctccgcg attattaacng ngttncnccnc 240
tatttgnctt tctttnttcc ccaangecnc anatttcnna actttncnt naaatgcctt 300
tatttnatnn cntttcnacn ncttaanttt ccttttnaan aangatccct ncttcaaant 360
ntttcccnct tcttngcatt nccnnnnnat ttctct 396
```

<210> 98  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 130, 202, 285, 296, 299, 308, 314, 321, 322, 336, 373  
 <223> n = A,T,C or G

<400> 98  
 acagggacaa tgaagccttt gaagtgccag tctatgaaga ggccgtggtg ggactagaat 60  
 cccagtgccg cccccaagag ttggaccaac caccocctac agcactgttg tgataccccc 120  
 agcacctgan gaggaacaac ctaccatcca gaggggccag gaaaagccaa actggaacag 180  
 aggcgaaatgg ctcagagggg tncatggcca agaaggaagc cctggaagaa cttcaatcac 240  
 cttcggtttc gggaccaccg gcttgtgtcc ctgttctgac tgcanaactt ggcgengtnc 300  
 cccattanaa cctntgactc nnccttgcct ataagnctgt tttggccccc gatgatgata 360  
 gggtttttat gangacactt gggcaccccc ttaatg 396

<210> 99  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1, 4, 13, 15, 26, 31, 43, 46, 48, 52, 54, 55, 60, 62, 68,  
 72, 93, 112, 118, 119, 122, 131, 132, 133, 134, 145, 147,  
 152, 157, 163, 164, 186, 190, 225, 231, 239, 246, 247, 250,  
 255, 262, 285, 314, 316, 319, 325, 332, 339, 343, 345  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 348, 351, 352, 355, 357, 361, 370, 387  
 <223> n = A,T,C or G

<400> 99  
 ntnttttttc cgncaaaagg gcaagngttt ncacttttcc tgnccncnca ananngggtn 60  
 tntgtgcntt tnttttttcc caaaacccgg gtnggggaca ctttttgagg anccactnnt 120  
 cntccggggc nnnnttttag aaggngncta anaagcntct tgnnggggga aaaacatctt 180  
 tttgcncncc acataccccc aagggggggg ggtgtctggg agganactaa ngacttttnt 240  
 tttttnnccn caaanaactg anggccccca ttgctccccccc cccantcttt aaaaaacccc 300  
 ttcaatttcc ttgncnggna aaaanggttg gnaaaaaaang agngngcntc nnttncnttt 360  
 natggaaggn aaaaggtttt tggttgnaaa accccc 396

<210> 100  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 229, 286, 303, 312, 334, 335, 348, 350, 357, 364, 371, 395  
 <223> n = A,T,C or G

```

<400> 100
ctaacacggt gaaaccctgt ctctactaaa aatacaaaaa aattagccag gcgtggtggc 60
gggcacctgt agtcccagct gctcaggaag ctgaggcagg agaatggcgt gaaccagaa 120
ggcggagctt gcagtgagct gagatcgtgt cagtgcactc cagcctgggc gacagagcga 180
gactcccgtt caaaaaaaaa aaaaaaaaga gaaaagaaaa agctgcagng agctgggaat 240
gggccctatc ccctccttgg ggatcaatga gacccctttt caaaaanaaaa aaaaaataa 300
tgngattttg gnaacatatg gcactgggtgc ttcnnggaat tctgtttntn ggcattgnccc 360
cctntgactg nggaaaaatc cagcaggagg cccana 396

```

```

<210> 101
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 93, 99, 100, 111, 168, 172, 174, 199, 209, 216, 218, 219,
227, 242, 243, 269, 272, 297, 300, 301, 308, 315, 317, 323,
331, 341, 344, 348, 357, 359, 363, 364, 366, 376, 379, 386,
389, 392
<223> n = A,T,C or G

```

```

<400> 101
agttataact caacagttca tttatatgct gttcatttaa cagttcattt aaacagttca 60
ttataactgt ttaaaaaatat atatgcttat agncaaaaann tgttgtggcg nagttgttgc 120
cgcttatagc tgagcattat ttcttaaatt cttgaatgtt cttttggngg gntnotaaaa 180
ccgtatatga tccattttta tgggaaacng aattcntnnc attatcncac cttggaaata 240
cnnaacgtgg gggaaaaaaaa tcattccnc cntccaaaac tatacttctt ttatctngan 300
nttcttgntc ctgcncnggt ttngaataata nctgggcaaa nggnttttnc aaatccntnt 360
acnntncttt gggaaantanc ggcaantcnt cncctt 396

```

```

<210> 102
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17, 93, 136, 183, 317
<223> n = A,T,C or G

```

```

<400> 102
actatacata agaacangct cacatgggag gctggaggtg ggtaccagc tgctgtggaa 60
cgggtatgga caggtcataa acctagagtc agngtcctgt tggcctagcc catttcagca 120
ccctgccact tggagnggac ccctctactc ttcttagcgc ctaccctcat acctatctcc 180
ctnctcccat ctctacgga ctggcgccaa atggctttcc tgccaatttt gggatcttct 240
ctggctctcc agcctgctta ctctctatt tttaaagggc caaacaatc ccttctcttt 300
ctcaaacaca gtaatgnggc actgacccta ccacacctca tgaagggggc ttgttgcttt 360
tatttgggcc cgatctgggg ggggcaaaat attttg 396

```

```

<210> 103
<211> 396
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 91, 174, 176, 188, 201, 214, 254, 277, 299, 325, 349, 355, 365, 372, 390

<223> n = A,T,C or G

<400> 103

```

ttgtgttggg actgctgata ggaagatgtc ttcaggaaat gctaaaattg ggcaccctgc 60
cccaacttca aagccacagc tggatatgcca natggtcagg ttaaagatat caacctgctg 120
actacaaagg aaaatatggg ggggtcttct tttacctct tgacttccct ttgngngccc 180
cccgaganca ttgctttccg ngatagggca aaanaaatta aaaaacttaa ctggccagt 240
aatgggggctt ctgnggatct cttctctggca ttacatnggc aatccctaaa aaacaagang 300
actgggaccc ataacattct tttgnatcaa ccgaagcccc cattgttang atatngggct 360
taaangctga tnaagcatct cgtccgggcn ttttat 396

```

<210> 104

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 32, 53, 86, 141, 154, 156, 181, 182, 197, 204, 219, 224, 226, 229, 232, 245, 253, 260, 262, 271, 273, 276, 292, 301, 303, 305, 321, 325, 332, 343, 352, 382, 392

<223> n = A,T,C or G

<400> 104

```

aagggagggc ggcccaagac cttcccactc gngcacactg ggggcgcoga cangacgcaa 60
cccagttcaa cttggatacc cttggnntta gttctcggac acttctttta tctctccgtc 120
gcaacttgct aagttctcaa nactgtctct ctgngntatc tttttcttct gctgctcttc 180
nnccccgcac gtatttntca aaangtctgc aattgttgna tacntnganc tncaccactg 240
ttacnaggct atnaatttct cntcaactct ntncncttg ttccttgata tntcggcggg 300
ngncnccaat tctgtatttt nctcntcaac gntctcaact ttncctctct cnggccactt 360
tctcccttct cttattccgg cnttgtttgc cnccat 396

```

<210> 105

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 57, 306, 356, 388, 391

<223> n = A,T,C or G

<400> 105

```

tcaatagcca gccagtgttc atttttatcc ttgagctttt agtaaaaact toctggnttt 60
attttttagtc attgggtcat acagcactaa agtctgctat ttatggaaac taactttttt 120
gtttttaatc caggccaaca tgtatgtaaa ttaaattttt agataattga ttatctcttt 180
gtactacttg agatttgatt atgagatgtg catattgctt tggaagagc tcgaggaagg 240
aaataattct ctcttttggg ttgaacctca actagataaa ccctaggaat tgtaactgct 300

```



```
<400> 108
gctgtctttt gatgatgtct acagaaaatg ctggctgagc tgaacacatt tgcccaattc 60
caggtgtgca cagaaaaccg agaatatcca aaattccaaa tttttttctt aggagcaaga 120
agaaatgtgt gccctaaagg ggggttagttg aggggttaggg ggtagtgagg atcttgattt 180
ggaatctctt ttattttaa atgtgaatttca actttttgaca atcaaaagaaa agacttttgt 240
tgaaatagct ttactgtctt tcacgtgttt tggagaaaaan natcancctt gcaatcactt 300
```

```

tttгнаactg ncnttgattt tcngcnncca agctatatcn aatatcgtct gngtanaaaa 360
tgnccctggnc ttttgaanga atacatgngt gntgct 396

```

```

<210> 109
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 237, 279, 284, 291, 305, 307, 308, 313, 326, 343, 351, 366,
376, 392, 394, 395
<223> n = A,T,C or G

```

```

<400> 109
ggccgtaggc agccatggcg cccagcccgg aatggcatgg tcttgaagcc ccacttccac 60
aaggactggc agcggcgcggt ggccacgtgg ttcaaccagc cggcccggaa gatccgcaga 120
cgtaaggccc ggcaagccaa ggcgcgccgc atcgtccgc gcccgcgctc gggccccatc 180
cggccccatc tgcgtgccc acggttcggt accacacgaa gggcgcgccg gcgcggnttc 240
agcctggagg agctcagggt ggccggattt acaagaagng gccngacatc ngatattcttg 300
ggatncnnga agnggaacaa gtcacngagt ccttgcagcc acntcagcgg ntgatgacac 360
cgttcnaact catctnttcc caagaaacct cngnnc 396

```

```

<210> 110
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 12, 13, 16, 18, 29, 39, 60, 66, 70, 86, 90, 104, 121,
122, 127, 128, 146, 165, 171, 172, 173, 176, 188, 189, 193,
195, 205, 210, 211, 224, 226, 227, 231, 233, 240, 243, 244,
248, 249, 255, 257, 258, 260, 266, 268, 272, 273, 275
<223> n = A,T,C or G

```

```

<221> misc_feature
<222> 278, 280, 287, 292, 294, 303, 308, 312, 315, 320, 322, 332,
333, 334, 335, 345, 347, 351, 363, 364, 369, 371, 372, 379,
381, 382, 386, 391, 393
<223> n = A,T,C or G

```

```

<400> 110
nntgggctcc tnncantnat aataaacnng actcatacnc cacaaggaga tgaacaggan 60
tatgtncatn ctgacgcgga aacagnncan ggagctgagg agnggccaaag atgagacctc 120
nnggccnngg tgggcgcatt cccgngggag ggggccacta aggantacga nnntcnagcg 180
gctcttgngg gcngncctcc tcacncctgn ntattcgatt gtcnncnatg ncntcctatn 240
atnntcanna ttctntnntn atctcntnta cnncntcn cn ttcatgntta cngntccctc 300
tcnttctnac cnttntctgn anctcctttc tnnnnctttc atctntnttc ngctttcttt 360
ctnnaatcnt nntttaacnt nntctncttt ntnatt 396

```

```

<210> 111
<211> 396
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 4, 7, 11, 16, 19, 25, 26, 30, 33, 39, 54, 60, 69, 75, 81,  
99, 102, 130, 132, 143, 154, 156, 166, 180, 182, 188, 190,  
192, 194, 198, 201, 226, 242, 253, 261, 264, 295, 305, 313,  
315, 320, 323, 325, 330, 334, 337, 340, 344, 348, 349

<223> n = A,T,C or G

<221> misc\_feature

<222> 351, 352, 357, 358, 359, 361, 362, 381, 387, 388, 389, 394

<223> n = A,T,C or G

<400> 111

```

taangancat nctggnttnt gcctnnccgn ctnattgant gttaaaggca attntgtggn 60
tgtcccagng aatgncggct nattttcttt ccacattgng cncattcact cctcccactc 120
ttggcatgtn gngacataag canggtacat aatngnaaaa atctgnattt ctgatgccan 180
anggggtanan cntnttgnat ntcattccat tgatatacag ccactntttt atttttgatc 240
anccggccttc ggntcactgc ncanggtact tgacctcagt gtcactatta tgggnttttg 300
tttncctctt ttncnggcn ttntntttcn cacnttncan cttnccttnt nnaaaannna 360
nncactctct ctgctctct ngatacnng tctnaa 396

```

<210> 112

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 172, 186, 378, 380, 382, 388

<223> n = A,T,C or G

<400> 112

```

tcaacgtcac caattactgc catttagccc acgagctgcg tctcagctgc atggagagga 60
aaaaggtcca gattcgaagc atggatccct ccgccttggc aagcgaccga tttaacctca 120
tactggcaga taccaacagt gaccggtct tccacagtga c gatgttaaa gntggaggct 180
ccaagnatgg tatcatcaac ctgcaaagtc tgaagacccc tacgctcaag gtgttcatgc 240
acgaaaacct ctacttcacc aaccggaagg tgaattcggg gggctgggccc tcgctgaatc 300
acttggattc cacattctgc tatgcctcat gggactcgca gaacttcagg ctggccaccc 360
tgctcccacc atcactgntn gncaatantc acccag 396

```

<210> 113

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 2, 3, 4, 7, 8, 9, 10, 11, 65, 273, 279, 280, 289, 321,  
338, 380

<223> n = A,T,C or G

<400> 113

```

nnnntttnnn nggagcctta atttcagagt tttattgtat tgcactaaag gaacagcagg 60
atggntatac aattttctct cattcagttt tgaaaatctg tagtacctgc aaattcttaa 120
gaataccttt accaccagat tagaacagta agcataataa ccaatttctt aataagtaat 180
gtcttacaaa taaaaacaca tttaaaatag ctttaaatgc attcttcaca agtaattcag 240
catatatattt atatcatggg tacttatgct tangaattnn agcaggatnt ttattctttt 300
gatggaaata tgggaaaact ntattcatgc atatacangg ataatatcca gcgaaggga 360
aatcccggtt ttattttggn aatgattcat atataa 396

```

```

<210> 114
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40, 82, 114, 116, 146, 164, 166, 174, 185, 212, 215, 219,
224, 236, 242, 254, 258, 263, 270, 286, 299, 308, 327, 328,
329, 345, 363, 378, 382, 385
<223> n = A,T,C or G

```

```

<400> 114
aaatgggaca acgtgattct tttgttttaa ataaatactn agaacacgga cttggctcct 60
acaagcattt ggactctaag gnttagaact ggagagtctt acccatgggc ccncncagg 120
gacgccacgg ttccctccca ccccgngatc aagacacgga atcngntggc gatngttgga 180
tcgcnatgtg ccccttatct atagccttcc cnggncatnt acangcagga tgcggntggg 240
anaactacaa ctgnaatntc tcnaacggtn atgggtcccca ccgatnaaga ttctacctng 300
tcttttcttc ccctggagtg tgagtgnnng aggaagaagc ccttncctta catcaccttt 360
tgnacttctg aacaaganca anacnatggc ccccc 396

```

```

<210> 115
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 277, 297, 321, 341, 381, 391
<223> n = A,T,C or G

```

```

<400> 115
ccgcctgggt cggccgcgct gcctccactc ctgcctctac catgtccatc aggggtgacct 60
agaagtccta caaggtgtcc acctctggcc cccgggcctt cagcagcgcg tcttacacga 120
gtgggcccgg ttcccgcatc agctcctcga gcttctcccg agtgggcagc agcaactttc 180
gcggtggcct ggcggcggct atgggtgggc cagcggcatg ggaggcatca cccgcagtta 240
cggcaaccag agcctgctga gcccttgcc tggagnggga cccaacatc aagccgngcg 300
caccacaggaa aaggagcaga ncaagacct caacaacaag nttgcttctt catagacaag 360
ggaccgggtc ttgaacagca naacaagatg ntggag 396

```

```

<210> 116
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc\_feature  
 <222> 267, 290, 343, 351, 376  
 <223> n = A,T,C or G

<400> 116  
 atctcagttt actagctaag tgactttggg caagggattt aacctctcgt ccctcagttt 60  
 cctcctatgt aaaatgacaa ggataatagt accaacccaa tgtagattaa atgagtttac 120  
 gaagtgttag aatagtgtt ggacacattag tgctttacaa ctgctatatt gattgttggt 180  
 gtgggctctc tcaaatgcat tgtctctaga tgccagtgc ccaggtcaaa atttaccttt 240  
 aaccaagctg catgtttccc agactgntgc acagtcctct accctgagan aaagcttcca 300  
 cccaaggata cttttacttt ctgctggaaa actgatgagc aanggcaaca ngggacactt 360  
 atcgccaact ggaaangaga aattcttcct tttgct 396

<210> 117  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 228, 267, 318, 331, 357, 368, 376  
 <223> n = A,T,C or G

<400> 117  
 aaacattttt taataaaatt cctatagaaa gctcagtcac agggcaaata ctcagttctc 60  
 ttcccacat caccgaggat tgagagctcc caatattctt tggagaataa gcagtagttt 120  
 tgctggatgt tgccaggact cagagagatc acccatttac acattcaaac cagtagttcc 180  
 tattgcacat attaacatta cttgcccta gcaccctaaa tatatggnac ctcaacaaat 240  
 aacttaaaga tttccgtggg gcgcganacc atttcaattt gaactaatat ccttgaaaaa 300  
 aatcacatta ttacaagntt taataaatac nggaagaaga gctggcattt ttctaanatc 360  
 tgaattcnga cttggnttta ttccataaat acggtt 396

<210> 118  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 4, 5, 12, 14, 15, 16, 24, 59, 80, 87, 225, 280, 286, 287,  
 295, 297, 298, 337, 349, 362, 375, 387, 394  
 <223> n = A,T,C or G

<400> 118  
 accnnacct gntnnntttt aacnattaca acttctttat atggcagttt ttactgggng 60  
 cctaacactc tctttactgn ctcaagngga agtccaaaca aatttcattt ttgtagtaaa 120  
 aaatctttat ttccaaaatg atttgtttagc caaaagaact ataaaccacc taacaagact 180  
 ttggaagaaa gagacttgat gcttcttata aattcccat tgcanaaaa aaataacaat 240  
 ccaacaagag catggtaccc attcttacca ttaacctggn tttaannctc caaancnnga 300  
 tttaaaaatg accccactgg gcccaatcca acatganacc taggggggnt tgccttgatt 360  
 angaatcccc cttanggact ttatctnggc tganaa 396

<210> 119  
 <211> 396

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 251, 281, 298, 301, 308, 326, 332, 337, 351, 358, 362, 388,
394
<223> n = A,T,C or G

<400> 119
atggccagct cacttttaaat accacctcaa gactcatcga aatgaccgct ccttcactctg 60
tcttgcagaa ggttgtggga aaagcttcta tgtgctgcag aggtgaagg tgcacatgag 120
gacccacaat ggagagaagc ctttatgtg ccatgagtct ggctgtggta agcagtttac 180
tacagctgga aacctgaaga accaccggcg catccacaca ggagagaaac ctttcctttg 240
tgaagcccaa ngatgtggcc gtcctttgct gagtattcta ncttcgaaaa catctggngg 300
ntactcanga gagaaagcct cattantgcc antctgnggg aaaaccttct ntcagagngg 360
angcaggaat gtgcatatta aaaagctncc ttgnac 396

<210> 120
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 261, 263, 265, 272, 273, 288, 308, 310, 330, 379
<223> n = A,T,C or G

<400> 120
catgggtcag tccgtcctga gagttcgaag agggcacatt cccaaagaca ttcccagtc 60
tgaaatgtag aagactggaa aattaagaca ttatgtaaag gtagatatgg ctttttagagt 120
tacattatgc ttggcatgaa taagggtgcc ggaaaacagt ttaaaattat acatcagcat 180
acagactgct gttagaaggt atgggatcat attaagataa tctgcagctc tactacgcat 240
ttattgttaa ttgagttaca nangncattc annactgagt ttatagancc atattgctct 300
atctctgngn agaacatttg attccattgn gaagaatgca gtttaaaata tctgaatgcc 360
atctagatgt attgtaccna aaggggaaaa ataaca 396

<210> 121
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 77, 125, 130, 142, 155, 162, 166, 176, 204, 227, 242, 243,
245, 246, 249, 251, 252, 265, 279, 306, 310, 314, 336, 341,
354, 367, 382, 385, 390, 395
<223> n = A,T,C or G

<400> 121
tttttttttt ttttttttaa aatcaagtta tgtttaataa acattaataa atgtttactt 60
aaaagggtta ataaacnttt actacatggc aaattatttt agctagaatg cttttggctt 120
caagncatan aaaccagatt cnaatgccct taaanaattt tnaaanatcc attgangggg 180
ataactgtaa tccccaaggg gaanagggtt gggtatgaca ggtacanggg gccagcccag 240

```

```

tnntnncana nncagactct tacntcttt ctgctgtgnc accctcaggc attggctcca 300
ttctcngggg tgncatggg aagatggctt tggacntaac nacaccttt tgtncacgta 360
aaggccngat gcagggtcaa anagntccn ccatnt 396

```

```

<210> 122
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 122
gtcgacatgg ctgccctctg ggctcccaga acccacaaca tgaaagaaat ggtgctaccc 60
agctcaagcc tgggcctttg aatccggaca caaaaccctc tagcttgga atgaatatgc 120
tgcactttac aacctgca ctacctgact caggaatcgg ctctggaagg tgaagctaga 180
ggaaccagac ctcatcagcc caacatcaaa gacaccatcg gaacagcagc gccgcagca 240
cccacccgc accggcgact ccatcttcat ggccaccccc tgcggtggac ggttgaccac 300
cagccaccac atcatcccag agctgagctc ctccagcggg atgacgcggt cccaccacc 360
tccctcttct tctttttcat ccttctgtct ctttgt 396

```

```

<210> 123
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 74, 94, 142, 149, 194, 219, 233, 279, 316, 335, 368
<223> n = A,T,C or G

```

```

<400> 123
gccctttttt tttttttttt tttcctagt ccaggtttat tccctcacat gggtaggttca 60
catacacagc acanaggcac gggcaccatg gganagggca gcactcctgc cttctgaggg 120
gtacttggcc tcacgggtga anaaggana ggatggtttc tcttctgccc tcactagggc 180
ctaggggaacc cagnagcaaa tcccaccacg ccttccatnt ctacgccaag ganaagccac 240
cttggtgacg tttagttcca accattatag taagtggana agggattggc ctggtcccaa 300
ccattacagg gtgaanatat aaacagtaaa ggaanatata gtttggatga ggccacagga 360
aggagcanat gacaccatca aaagcatatg cagggg 396

```

```

<210> 124
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 124
gaccattgcc ccagacctgg aagatataac attcagttcc caccatctga ttaaaacaac 60
ttcctccctt acagagcata caacagaggg ggcacccggg gaggagagca catactgtgt 120
tccaatttca cgcttttaat tctcatttgt tctcacacca acagtgtgaa gtgcgtggta 180
taatctccat ttcaaaacca aggaagcagc ctacagatgg tcgagtgaca cacctcacgc 240
aggctgagtc cagagcttgt gtcctcttg attcctgggt tgactcagtt ccaggcctga 300
tcttgectgt ctggctcagg gtcaaagaca gaatggtgga gtgtagcctc cacctgatat 360
tcaggctact cattcagtc caaatatgta ttttcc 396

```

```

<210> 125
<211> 396
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 43, 88, 91, 94, 139, 141, 150, 163, 193, 202, 212, 215, 222,  
238, 253, 256, 286, 297, 331, 343, 350, 360, 376, 385, 396

<223> n = A,T,C or G

<400> 125

```
cccttttttt tttttttttt tttttttttt ttttttactt tgnaacaaaa atttattagg 60
attaagtcaa attaaaaaac ttcatgcnc cccncttgct atatttacct gaaatgacaa 120
agttatactt agcttgagng naaaacttgn gcccacaaaa ttntgtttgg aaagcaaaaa 180
aataattgat gcncatagca gngggcctga tncnccaca gngaattgtt ttttaaggnt 240
aacaacacagg ggncaaaaa gcatacatta cttttaagct ttgggnccaa ggaaaangtc 300
attccctacc tccttcaaaa gcaaaactcat natagcctgg gcnccatagg ctggagcctn 360
ttttttcgag tctaanatga acatntggat ttcaan 396
```

<210> 126

<211> 396

<212> DNA

<213> Homo sapiens

<400> 126

```
cgcgtcgact cgcaagtgga atgtgacgtc cctggagacc ctgaaggctt tgcttgaagt 60
caacaaaggg cagcaaatga gtcctcaggt ggccaccctg atcgaccgct ttgtgaaggg 120
aagggggccag ctagacaaaag acaccctaga caccctgacc gccttctacc ctgggtacct 180
gtgtcccttc agccccgagg agctgagctc cgtgcccccc agcagcatct gggcggtcag 240
gccccacgac ctggacacgc tggggctacg gctacagggc ggcattccca acggctacct 300
ggtcctagac ctcagcatgc aagaggccct ctcggggacg ccctgcctcc taggacctgg 360
acctgttctc accgtcctgg cactgctcct agcctc 396
```

<210> 127

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 15

<223> n = A,T,C or G

<400> 127

```
tttttttttt ttgnggtaaa aatgcaaagt ttttaaaata tgttttatatt gtatgtttta 60
caatgaatac ttcagcaaaag aaaataatta taatttcaaa atgcaatccc tggatttgat 120
aaatatcctt tataatcgat tacactaatc aatatctaga aatatacata gacaaaagtt 180
gctaataaat aaaataagta aaatgactac ataaactcaa tttcagggat gagggatcat 240
gcatgatcag ttaagtcact ctgccacttt ttaaaataat acgattcaca tttgcttcaa 300
tcacataaac attcattgca ggagttacac ggctaataat tgaaaattat gatctttggt 360
agcttaaaag aaaattcagt ttaatacaaa gacatt 396
```

<210> 128

<211> 396

<212> DNA

<213> Homo sapiens



<220>  
 <221> misc\_feature  
 <222> 220, 244, 351, 384  
 <223> n = A,T,C or G

<400> 128  
 gccctttttt ttttttttta aaggcaaata aaataagttt attgggatgt aaccccatca 60  
 taaattgagg agcatccata caggcaagct ataaaatctg gaaaatttaa atcaaattaa 120  
 attctgcttt taaaaagggt ccttaagtta accaagcatt ttgataacac attcaaattt 180  
 aatatataaa aatagatgta tcctggaaga tataatgaan aacatgccat gtgtataaat 240  
 tcanaatacg ctttttacac aaagaactac aaaaagttac aaagacagcc ttcaggaacc 300  
 acacttagga aaagtgagcc gagcagcctt cagccaaagc ctcttcaaa naagtctcac 360  
 aaagactcca gaaccagccg agtntgtgaa aaagga 396

<210> 129  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 104, 164, 177, 204, 217, 234, 273, 312, 350, 353, 370  
 <223> n = A,T,C or G

<400> 129  
 gccctttttt tttttttttt ttttactcag acaggcaata tttgttcaca tttattctct 60  
 tgcacgtgaa atagtagcca actcacaaaa ataaagtata caanaatgta atatttttta 120  
 aaataagatt aacagtgtaa gaaggaaaat ctcaaaaaaa gcanatagac aatgtanaaa 180  
 attgaaatga aatcccacag taanaaaaaa aaaacanaaa agtgcctatt taanaattat 240  
 gctacatgtg gaacttaact agaccatttt aanaaaagacc aatttctaata gcaaattttc 300  
 tgagggtttt anattttatt tttaaaatat gttatagcta catgttgctn acncggccgc 360  
 tcgagtctan agggcccgtt taaaccgcgt gatcag 396

<210> 130  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 23, 24, 26, 32, 56, 191, 286, 355  
 <223> n = A,T,C or G

<400> 130  
 cgcccttttt tttttttttt tanngnacgt gncctttattt ctggatgata taaaanaaaa 60  
 aacttaaaaa acaccccaaa ccaaacacca atggatcccc aaagcgatgt gactccctct 120  
 tcccaccgag ataaatagag acttctgtat gtcagtctac cctcccgccc ccataacccc 180  
 ctctgtata nacatactct gggatatat tactctactc ggcaatagac atctcccgaa 240  
 atagcaattc ctgccctgac acctgactct tccttgcccg catcanacca cccgccaactg 300  
 tagcacactg gtgtccttgc cccctgtggt cagggccatg ctgtcatccc acaanaaggc 360  
 cacatttgtc acatggctgc tgtgtccacc gtactt 396

<210> 131

<211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature

<222> 49, 68, 69, 83, 88, 93, 136, 140, 154, 158, 166, 167, 168,  
 170, 172, 173, 187, 226, 239, 241, 247, 257, 259, 271, 293,  
 301, 318, 334, 336, 342, 344, 357, 377, 384

<223> n = A,T,C or G

<400> 131

```
gccctttttt tttttttttt tttttttttt ttcagtttac acaaaaaacnc ttttaattgac 60
agtatacnnt tttccaaaat atnttttngt aanaaaatgc aataattatt aactatagtt 120
tttacaacaa agtttntcan taaattccag tgncttnaa accccnnncn annaaaacat 180
atatganccc ccagttcctg ggcaaaactgt tgaacattca ctgcanacaa aaagaccanc 240
nccaaanagt catctgngnc ctccatgctg ngtttgcacc aaacctgagg gancagctag 300
ngaccgtgac aaaagctntg ctacagtttt actntngccc tntntgcctc ccccatnatg 360
tttccttggg ccttcantcc tgtnggagta agttcc 396
```

<210> 132

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 69

<223> n = A,T,C or G

<400> 132

```
cgcgtcgacc ggggccgtag cagccgggct ggctcctgctg cgagccggcg gcccgagtg 60
gggcggcgnt atgtaccttc cacattgagt attcagaaag aagtgatctg aactctgacc 120
attctttatg gatacattaa gtcaaataata agagtctgac tacttgacac actggctcgg 180
tgagttctgc tttttctttt taatataaat ttattatggt ggtaaattta gcttttggct 240
tttcactttg ctctcatgat ataagaaaat gtaggttttc tctttcagtt tgaattttcc 300
tattcagtaa aacaacatgc tagaaaacaa acttttggaa aggcattgta actatttttt 360
caaatagaac cataataaca agtcttgtct taccct 396
```

<210> 133

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 1, 17, 18, 20, 21, 25, 26, 30, 31, 40, 44, 45, 46, 51, 52,  
 66, 67, 68, 74, 89, 109, 122, 166, 193, 214, 218, 266, 269,  
 291, 307, 315, 348, 375, 378, 379, 386, 393

<223> n = A,T,C or G

<400> 133

```
ntattacccc tcttggnnan ntggnnatan nctgcaaggn gatnnncccg nngaacttca 60
ctgatnnncc aatnaaaact gctttaaaanc tgactgcaca tatgaattnt aatacttact 120
```

```

tngcgggagg ggtggggcag ggacagcaag ggggaggatt gggaanacaa tagacaggca 180
tgctggggat gcngcgggct ctatggcttc tgangcgnaa agaaccagct ggggctctag 240
ggggatatccc cacgcgcctt gtagcngcnc attaaacgcg gcgggtgtgg nggttacttc 300
gcaaagngac cgatncactt gccagcgccc tagctgcccc ctcccttngc tttcttccct 360
tcctttctcg ccacnttnc cggtntccc cgncaa 396

```

```

<210> 134
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 133, 144, 221, 229, 302, 358
<223> n = A,T,C or G

```

```

<400> 134
tttttttttt ttctgctttt tatatgttta aaaatctctc attctattgc tgctttatatt 60
aaagaaagat tactttcttc cctacaagat ctttattaat tgtaaaggga aaatgaataa 120
ctttacaatg ganacacctg gcanacacca tottaaccaa agcttgaagt taacataacc 180
agtaatagaa ctgatcaata tcttgtgcct cctgatatgg ngtactaana aaaacacaac 240
atcatgccat gatagtcttg ccaaaagtgc ataacctaaa tctaatacata aggaaacatt 300
anacaaactc aaattgaagg acattctaca aagtgccttg tattaaggaa ttattcanag 360
taaaggagac ttaaaagaca tggcaacaat gcagta 396

```

```

<210> 135
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 135
gcgtcgacgc tggcagagcc acaccccaag tgccgtgtgc cagagggcctt cagtcagctg 60
ctcactcttc cagggcactt ttaggaaagg gtttttagct agtggttttc ctgcgtttta 120
atgacctcag ccccgccctgc agtggtctaga agccagcagg tgcccatgtg ctactgacaa 180
gtgcctcagc ttcccccccg cccgggtcag gccgtgggag ccgctattat ctgcgttctc 240
tgccaaagac tcgtgggggc catcacacct gccctgtgca gcggagccgg accaggctct 300
tgtgtcctca ctgaggtttg cttccctgt gccactgct gtatgatctg ggggccacca 360
ccctgtgccg gtggcctctg ggctgcctcc cgtggt 396

```

```

<210> 136
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 18, 185, 188, 191, 193, 396
<223> n = A,T,C or G

```

```

<400> 136
ttatgcttcc ggctcgtntg ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa 60
acagctatga ccatgattac gccaaagctat ttaggtgaca ctatagaata ctcaagctat 120
gcatcaagct tggtagcgag ctgggatcca ctagtaacgg ccgccagtgt gctggaattc 180
gcgngcngtc nantctagag ggcccgttta aaccgcgtga tcagcctcga ctgtgccttc 240

```

```

tagttgccag ccactctgttg tttgccctc ccccggtgctt tccttgaccc tggagaggtgc 300
cactcccact gtccttttcct aataaaatga ggaaattgca tcgcattgtc tgagtaggtg 360
tcattctatt ctggggggtg gggtaggggca ggacan 396

```

```

<210> 137
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 156, 216
<223> n = A,T,C or G

```

```

<400> 137
tttttttttt ttctgctttg tacttgagtt tatttcacia aaccacggag aaagatactg 60
aaatggagct ctttccagcc tccaagcaag gagggcccag cagccagtct ccagcccctt 120
gagccctttt tgtaggccc acacccaaaa gagganaacc agtgtgtgag cgaaggtaca 180
tggaaggcca cttttgaaaa catcccagtt taccgnggtg aaattgaact tactctgaaa 240
cagatgaaaa gggacatgca aaattgctga gcacatggag gtgtttgtta gtaggtgaaa 300
atcatgtcct ggggtataacc cagcttctcc aggttagggg gagccgccgt ctggatcagt 360
ggtggcgggc cacacaccag gatgagcgtg gacttc 396

```

```

<210> 138
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 69, 136, 265, 272
<223> n = A,T,C or G

```

```

<400> 138
cccttttttt ttttttttac aaatgagaaa aatgttttatt aagaaaacaa tttagcagct 60
ctcctttana attttacaga cttaaagcaca acccgaaggc aattacagtt tcaatcatta 120
acacactact taaggngctt gcttactcta caactggaaa gttgctgaag tttgtgacat 180
gccactgtaa atgtaagtat tattaaaaat tacaaattgt ttggtgatta ttttgatgac 240
ctcttgagca gcagctcccc ccaanaatgc ancaatggta tgtggctcac cagctccata 300
tcggcaaaat tcgtggacat aatcatcttt caccattaca gataaaccat attcctgaag 360
gaagccagtg agacaagact tcaactttcc tatatc 396

```

```

<210> 139
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 51, 105, 126, 147, 210, 212, 236, 241, 258, 263, 348
<223> n = A,T,C or G

```

```

<400> 139
ccgccctttt tttttttttt ttcacaaaag cactttttat ttgaggcaaa nagaagtctt 60

```

```

gctgaaagga ttccagttcc aagcagtcaa aactcaaccg ttagnggcac tattttgacc 120
tggtanattt tgcttctctt tggtcanaaa aggggtattca gggtgtactt tccccagcag 180
ggtaaaaaga agggcaaagc aaactggaan anacttctac tctactgaca gggctnttga 240
natccaacat caagctanac acnccctcgc tggccactct acaggttgct gtcccactgc 300
tgagtgcac aggccatact acatttgcaa ggaaaaaaat gaggcaanaa acacaggtat 360
aggtcacttg gggacgagca ggcaaccaca gcttca 396

```

```

<210> 140
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 50, 60, 63, 100, 133, 135, 172, 183, 190, 196, 220, 240,
262, 266, 273, 278, 293, 327, 332, 341, 348, 355, 380, 391
<223> n = A,T,C or G

```

```

<400> 140
tttttttttt tttttttttt tttttttctc atttaacttt tttaatgggn ctcaaaattn 60
tgngacaaat ttttgggtcaa gttgtttcca ttaaaaagtn ctgattttta aaactaataa 120
cttaaaactg ccncncccaa aaaaaaaaaa caaaggggtc cacaaaacat tntcctttcc 180
ttntgaaggn tttacnatgc attgttatca ttaaccagtn ttttactact aaacttaaan 240
ggccaattga aacaaacagt tntganaccg ttnttcncc actgattaaa agngggggggg 300
caggtattag ggataatatt catttanccct tntgagcttt ntgggcanac ttggngacct 360
tgccagctcc agcagccttn ttgtccactg ntttga 396

```

```

<210> 141
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 141
acgccgagcc acatcgctca gacaccatgg ggaagggtgaa ggtcggagtc aacggatttg 60
gtcgtattgg gcgcctgggtc accagggtcg cttttaactc tggtaaagtg gatattgttg 120
ccatcaatga ccccttcatt gacctcaact acatggttta catgttccaa tatgattcca 180
cccattggca attccatggc accgtcaagg ctgagaacgg gaagcttgct atcaatggaa 240
atcccatcac catcttcag gagcgagatc cctccaaaat caagtggggc gatgctggcg 300
ctgagtacgt cgtggagtcc actggcgtct tcaccaccat ggagaaggct ggggctcatt 360
tgcagggggg agccaaaagg gtcacatctc ctgccc 396

```

```

<210> 142
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 142
acgcaggaga ggaagcccag cctgttctac cagagaactt gcccagggtc gaggtctgcg 60
tagaagccct tttctgagca tcctctctct cctcacacc tgccactgtc ctctgcgttg 120
ctgtcgaatt aaatcttgca tcaccatggg gcacttctgt ggctactca ccctccaccg 180
ggagccagtg ccgctgaaga gtatctctgt gagcgtgaac atttacgagt ttgtggctgg 240
tgtgtctgca actttgaact acgagaatga ggagaaagtt cctttggagg ccttctttgt 300
gttcccatg gatgaagact ctgctgttta cagctttgag gccttggtgg atgggaagaa 360
aattgtagca gaattacaag acaagatgaa ggcccc 396

```

<210> 143  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 19, 48, 69, 122, 183, 227, 332, 390  
 <223> n = A,T,C or G

<400> 143  
 tttttttttt tttccatana aaataggatt tatttttcaca tttaaggnga acacaaatcc 60  
 atgttccana aatgttttat gcataacaca tcatgagtag attgaatttc tttaacacac 120  
 anaaaaatca aagcctacca ggaaatgctt ccctccggag cacaggagct tacaggccac 180  
 ttntgttagc aacacaggaa ttcacattgt ctaggcacag ctcaagngag gtttgttccc 240  
 aggttcaact gctcctaccc ccatgggccc tcctcaaaaa cgacagcagc aaaccaacag 300  
 gcttcacagt aaccaggagg aaagatctca gngggggaac cttcacaaaa gccctgagtt 360  
 gtgtttcaaa agccaagctc tggggtctgn ggcctg 396

<210> 144  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 221, 331  
 <223> n = A,T,C or G

<400> 144  
 tttttttttt tttcgctctt tgggtctgaca agaaaagagt tttagggtgtg tgaagtaggg 60  
 tgggaaaaaa ggtcagtttc aaattcagta acatatggta acactaagtt aggctgctgc 120  
 attcttttct ttgggtactt aagccagctg gcacttccac tttgtaacca attatattat 180  
 gatcaacaac taatcagtta gttcctcagc ttcaactgaa nagttcctga ttacctgatg 240  
 aaggacatac ttgctctggc ttcaattagc atgctgtcaa gcatccctct ccattgcttaa 300  
 catggcaaca caaaacccaa gagtccttct ntttttttca ttagccatga ataaacactc 360  
 acaaagggga agagtagaca ctgcttttag taaacg 396

<210> 145  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 45, 56, 61, 63, 120, 122, 147, 151, 158, 259, 262, 274, 339,  
 345, 353  
 <223> n = A,T,C or G

<400> 145  
 tttttttttt tttttttcaa tggatccggt agctttacta ctaanatctt gotganatca 60  
 nanaagggtc tctgggcagg ctgagcactg ggggtgtgca acatggtaac tctgaataan 120  
 anaaaccctg agttttactg ggcaaaaaa naacaagngg taggtatgat ttctgaacct 180

```

ggaaatagcg aaaatgaagg aaattccaaa agcgcgtatt tccaaataat gacaggccag 240
caagaggaca ccaaacctnt anaaagaggt attntttctt ccagctactg atggctttgg 300
catccacag gcacattcct ttggccttca ggatcttana tgcanaatgtg ganagtcaag 360
aggtaggctg actctgagtc ttcagctaaa ttcttt 396

```

```

<210> 146
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 120, 130, 176, 180, 185, 208, 238, 254, 259, 261, 275, 285,
296, 347
<223> n = A,T,C or G

```

```

<400> 146
tttttttttt ttttcattag caaggaagga tttatttttt cttttgaggg gagggcggaa 60
cagccgggat ttttggaaca ctaccttgt ctttcacttt gttgtttgtg tgttaacaacn 120
aataaatcan aagcgacttt aaatctccct tcgcaggact gtcttcacgt atcagngcan 180
acaanaaaac agtggcttta caaaaaanat gttcaagtag gctgcacttt gcctctgngg 240
gtgaggcaca ctgngggana nacaaggtcc cctgnaacca gagnggggaa ggacanagct 300
ggctgactcc ctgctctccc gcattctctc ctccatgtgt tttgaanagg gaagcaacat 360
gttgaggtct gatcatttct acccagggaa cctgtt 396

```

```

<210> 147
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 147
acggggaagc caagtgaccg tagtctcacc agacatgagg gaatgggtgg ctccagagaa 60
agcagacacc attgtcagtg agcttctggg ctcatattgt gacaatgaat tgtcgcoctga 120
gtgcctggat ggagcccagc acttcctaaa agatgatggt gtgagcatcc ccggggagta 180
cacttctttt ctggctccca tctcttcttc caagctgtac aatgaggtcc gagcctgtag 240
ggagaaggac cgtgaccctg aggccaggt tgagatgcct tatgtggtac ggctgcacaa 300
cttccaccag ctctctgcac ccagaccctg tttcaccttc agccatccca acagagatcc 360
tatgattgac aacaaccgct attgcacctt ggaatt 396

```

```

<210> 148
<211> 396
<212> DNA
<213> Homo sapiens

```

```

<400> 148
acgtcccagtg attgttccag accatgactc ttcttggttg tgggtttggt acagagcagg 60
agaagcagag gttatgacag ttatgcagac tttccccctc ctttttctct tttctcttcc 120
ccttgctttt ccactgtttc ttctgtctgc cacctgggac ttgaattcct gggctgtgaa 180
gacatgtagc agctgcaggg tttaccacac gtgggagggc agcccagtac tgtccctctg 240
ccttccccac tttgagaata tggcagcccc tttcattcct ggcttggggg aggggagacc 300
attgaagtag aagcctcaaa gcagactttt ccttttactg tgtgtactcc aggacgaaga 360
aggaagatca tgcttgatac ttagattggt tttccc 396

```

```

<210> 149

```

<211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 214, 295  
 <223> n = A,T,C or G

<400> 149  
 tttttttttt tttaaagagt cacattttat tcaatgccta tttgtacatg ttactagcaa 60  
 taaactcttt tatctttaat ttgagaagt ttacaaaata cagcaaagca gaatgactaa 120  
 tagagccggt aaccaggaca cagatttgga aaaatagggt taattgggtg ttacactgtg 180  
 tttatgtcat acatttcgct tattttttatc aaanaaaaaat cagaatttat aaaatgttaa 240  
 ttaaaaggaa aacattctga gtaaatttag tcccggtgtt ctctctccaa atctntttgt 300  
 tctacactaa caggtcagga taagtatgga tggggagggt ggaaaaaggg catccttccc 360  
 catgcggtcc ccagagccac cctctccaag caggac 396

<210> 150  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 150  
 acgcctctct tcagttggca cccaaacatc tggattggca aatcagtggt aagaagttcc 60  
 agcatctgga cttttcagaa ttgatcttaa gtctactgtc atttccagat gcattatatt 120  
 acaactgtat ccttggaat atatttctag ggagaatatt attgaagaaa atgttaatat 180  
 cctgagtcaa atttcagcag acttaccagc atttgtatca gtggtagcaa atgaagccaa 240  
 actgtatctt gaaaaacctg ttgttcttt aaatatgatg ttgccacaag ctgcattgga 300  
 gactcattgc agtaatatct ccaatgtgcc acctacaaga gagatacttc aagtctttct 360  
 tactgatgta cacatgaagg aagtaattca gcagtt 396

<210> 151  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 146, 299, 332  
 <223> n = A,T,C or G

<400> 151  
 acaaaatgcc cagcctacag agtctgagaa ggaaatttat aatcaggtga atgtagtatt 60  
 aaaagatgca gaaggcatct tggaggactt gcagtcatac agaggagctg gccacgaaat 120  
 acgagaggca atccagcatc cagcanatga gaagttgcaa gagaaggcat ggggtgcagt 180  
 tgttccacta gtaggcaaat taaagaaatt ttaccgaatt tctcagaggt tagaagcagc 240  
 attaagaggt cttctgggag ccttaacaag taccctatat tctcccacc agcatctana 300  
 gcgagagcag gctcttgcta aacagtttgc anaaattctt catttcacac tccggtttga 360  
 tgaactcaag atgacaaatc ctgccataca gaatga 396

<210> 152  
 <211> 396  
 <212> DNA



<213> Homo sapiens

<220>

<221> misc\_feature

<222> 249

<223> n = A,T,C or G

<400> 152

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acgcagcgct cggttctctg gtaattcttc acctcttttc tcagctccct gcagcatggg 60
tgctgggccc tccttgctgc tcgcgcgcct cctgctgctt ctctccggcg acggcgccgt 120
gcgtgcgcac acaoctgcca actgcacctt tcttgacctg ctgggcacct gggctctcca 180
ggtgggctcc agcgggtccc agcgcgatgt caactgctcg gttatgggac cacaagaaaa 240
aaaagtagng gtgtaccttc agaagctgga tacagcatat gatgaccttg gcaattctgg 300
ccatttcacc atcattttaca accaaggcct tgagattgtg ttgaatgact acaagtgggt 360
tgcccttttt aagtataaag aagagggcag caaggt 396
```

<210> 153

<211> 396

<212> DNA

<213> Homo sapiens

<400> 153

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ccagagacaa ctctgcggtg tgggtgaactc tctgaggaaa aacacgtgcg tggcaacaag 60
tgactgagac ctagaaatcc aagcgttgga ggctctgagg ccagccctaag tcgcttcaaa 120
atggaacgaa ggcgtttgcg gggttccatt cagagccgat acatcagcat gagtgtgtgg 180
acaagcccac ggagacttgt ggagctggca gggcagagcc tgctgaagga tgaggccctg 240
gccattgccg ccctggagtt gctgccagag gagctcttcc cgccactctt catggcagcc 300
tttgacggga gacacagcca gaccctgaag gcaatggtgc aggccctggc cttcacctgc 360
ctccctctgg gagtgtctgat gaagggacaa catctt 396
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<210> 154

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 42, 45, 59, 82

<223> n = A,T,C or G

<400> 154

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acagcaaaccc tcctcacagc ccaactggtec tcaagagggg cnactcttcc acacatcanc 60
acaactacgc attgcctccc tncactcgga aggactatcc tgctgccaaag aggggtcaagt 120
tggacagtgt cagagtccctg agacagatca gcaacaaccg aaaatgcacc agccccaggt 180
cctcggacac cgaggagaat gtcaagaggc gaacacacaa cgtcttggag cgccagagga 240
ggaacgagct aaaacggagc ttttttgccc tgcgtgacca gatcccggag ttggaaaaca 300
atgaaaaggc cccaaggta gttatcctta aaaaagccac agcatacatc ctgtccgtcc 360
aagcagagga gcaaaagctc atttctgaag aggact 396
```

<210> 155

<211> 396

<212> DNA

<213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 15, 17, 202, 280, 339  
 <223> n = A,T,C or G

<400> 155  
 tttttttttt tgaananaca ggtctttaat gtaaggagtc tcacaaggca caaacaccct 60  
 caccaggacc aaataaataa ctccacgggt gcaggaaggg gcggtctggg gaggatgcgg 120  
 catctgagct ctcccagggc tgggtgggca gccgggggtc tgcagtctgt gaggggcctc 180  
 ctgggtgtgt ccgggcctct anagcgggtc cagtctccag gatggggatc gtcactcac 240  
 tctccgagtc ggagtagtcc gccacgaggg aggagccgan actgcagggg tgccgcgtgt 300  
 cgggggtgtc agctgcctcc tgggaggagc ctgctggcna caggggcttg tcctgacggc 360  
 tcccttctctg cccctcggg ctgctgcaact tggggg 396

<210> 156  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 11, 30, 32, 37, 309, 332  
 <223> n = A,T,C or G

<400> 156  
 gaaggggggc ngggcagggg cggaatgtan anattantgc catgattgaa gatttaagaa 60  
 acgtgagatt caggattttc accacatccc catttagtta gcttgctcgt ttggctgggtg 120  
 caaatgccag atggattatg aacaatgaca gtaaatattt gcaacataat caggtaatga 180  
 tgccaagcgt atctgggtgt ccagggtattg tacctttacc ggaacaaatc agtaaattcca 240  
 caatccctgg cacctgttag gcagctatta acctagttaa tgctccccc tcccatctca 300  
 atcagcaang acaatcaaaa acatttgctt tnagtggcag gaacactggg acatttttac 360  
 ttgctccaag ggctgtgcca acgctccctc tctctg 396

<210> 157  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 121, 202, 204, 255, 314, 332, 368  
 <223> n = A,T,C or G

<400> 157  
 tttttttttt tttttgggga atgtaaatct tttattaaaa cagttgtctt tccacagtag 60  
 taaagctttg gcacatacag tataaaaaat aatcacccac cataattata ccaaattcct 120  
 nttatcaact gcatactaag tgttttcaat acaatttttt ccgtataaaa atactgggaa 180  
 aaattgataa ataacaggta ananaaagat atttctaggc aattactagg atcatttgga 240  
 aaaagtgagt actgnnggata tttaaaatat cacagtaaca agatcatgct tgttcctaca 300  
 gtattgctgg ccanacactt aagtgaagc anaagtgttt ggggtgacttt cctacttaaa 360  
 attttgggna tatcatttca aaacatttgc atcttg 396

<210> 158  
 <211> 396

<212> DNA  
 <213> Homo sapiens

<400> 158  
 tttccgaaga cgggcagctt cagagaagag gattattcgg gagattgctg gtgtggccca 60  
 tagactcttt ggcatagact ctttcgcagg cagccactct gagtgtggcc agttctataa 120  
 ccattcccaa actagctgga gcctgatgga taggaacggg tagtctgtcc tcttcccat 180  
 aaaaatgttc caaaaagtta tctccagaga gagtccctta tgaagacagt tgccaagctg 240  
 tattctcatt cttaaacca ataccaggt cagggttagt tcacactagc actgttaggg 300  
 acatgggtgt gctagaaatg aattgagtg gacttctccc tacaaccca ggcccaggga 360  
 taggaggagg cagaggggtg cctggagttt ctgcac 396

<210> 159  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 159  
 tccgcgcgtt gggaggtgta gcgcggctct gaacgcgctg agggccgttg agtgtcgcag 60  
 gcggcgaggg cgcgagttag gagcagacc aggcacgcg cgcgcgagaag gccgggcgtc 120  
 cccacactga aggtccgga aggcgacttc cgggggcttt ggcacctggc ggacctctcc 180  
 ggagcgtcgg cacctgaacg cgaggcgctc cattgcgcgt gcgcgttgag gggcttccc 240  
 cacctgatcg cgagaccca acggtctggtg gcgtgcgctg cgcgtctcgg ctgagctggc 300  
 catggcgcag ctgtgcgggc tgaggcggag ccgggcgttt ctgcacctgc tgggatcgct 360  
 gctcctctct ggggtcctgg cggccgaccg agaacg 396

<210> 160  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> 96, 102, 122, 124, 129, 146, 148, 184, 189, 196, 205, 208,  
 229, 246, 259, 261, 269, 272, 281, 297, 305, 308, 327, 331,  
 337, 338, 339, 343, 346, 354, 366, 367, 369, 378, 379, 380,  
 381, 391, 395  
 <223> n = A,T,C or G

<400> 160  
 ggaaaccttc tcaactaaga gaacatcatt tctggcaaac tatttttgtt agctcacaat 60  
 atatgtcgta cactctacaa tgtaaatagc actganccac ancttacaga aggtaaaaag 120  
 angnataana acttccttta caaaanantt cctgttggtt ttaatactcc ccattgctta 180  
 tganaattnt ctatangtct ctcangantg ttgcaccca tttcttttnt aacttctact 240  
 aaaaanccat ttacattgna nagtgtacna cntatatttg ngagctaaca aaaaatngtt 300  
 ttcnganat gatgttcttt tagtttnaga nggttcnnnc aanttnctac tcngccccgc 360  
 cactgnncnc cacatttnnn naattacacc ncaeng 396

<210> 161  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>

<221> misc\_feature  
 <222> 271, 273, 325, 364  
 <223> n = A,T,C or G

<400> 161  
 tttttgtttg attattttta ttataatgaa attaaactta tgactattac agtatgctca 60  
 gcttaaaaca tttatgagta ctgcaaggac taacagaaac aggaaaaatc ctactaaaaa 120  
 tatttgttga tgggaaatca ttgtgaaagc aaacctccaa atattcattt gtaagccata 180  
 agaggataag cacaaccata tgggaggaga taaccagtct ctcccttcat atatatctt 240  
 ttttatttct tgggtatacct tcccaaaaaca nanacattca acagtagtta gaatggccat 300  
 ctcccaacat tttaaaaaaa ctgcnccccc caatgggtga acaaagtaaa gagtagtaac 360  
 ctanagttca gctgagtaag ccactgtgga gcctta 396

<210> 162  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 33, 38, 51, 62, 71, 72, 88, 97, 98, 100, 106, 142, 155, 160,  
 161, 163, 168, 170, 174, 183, 190, 194, 203, 214, 216, 231,  
 232, 241, 242, 252, 258, 260, 264, 265, 267, 276, 278, 282,  
 287, 289, 292, 295, 297, 301, 311, 319, 322, 325  
 <223> n = A,T,C or G

<221> misc\_feature  
 <222> 330, 337, 341, 342, 347, 348, 354, 356, 361, 367, 368, 375,  
 379, 385, 391, 394, 395  
 <223> n = A,T,C or G

<400> 162  
 tttttttttt tttttttttt tttttttttt ttnggggncc aaattttttt ntttgaagga 60  
 angggacaaa nnaaaaaact taaggggntg ttttggnncn acttanaaaa aagggaagg 120  
 aaaccccaac atgcatgcc tnccttgggg accanggaan ncncccnncn ggtntgggga 180  
 aantaaccn aggnntaact ttnattatca ctgncnccca gggggggcct nnaaaaaaaa 240  
 nnttccccca anccaaantn gggnnncncc attttnenca anttggncnc cnggnncncc 300  
 nattttttga ngggtttcnc cngcncattn agggaanggg nntcaannaa accncncaa 360  
 nggggggnat ttttntcang ggccnatttg ncnnt 396

<210> 163  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 163  
 cactgtccgg ctctaacaca gctattaagt gctacctgcc tctcaggcac tctcctcgcc 60  
 cagttttctga ggtcagacga gtgtctgcga tgtcttcccg cactctattc cccagcctc 120  
 tttctgcttt catgctcagc acatcatctt cctaggcagt ctcttcccca aagtctcacc 180  
 ttttcttcca atagaaaatt ccgcttgacc tttggtgcac tgcccacttc ccagctccac 240  
 tggcccaagt ctgagccgga ggcccttggt ttgggggcg ggggagagtt ggatgtgatt 300  
 gcccttgaag aacaaggctg acctgagagg ttcttgccgc cctgagggtg ctcagcacct 360  
 gccagggta ggccctggcat gaggggttag gtcagc 396

<210> 164  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 164  
 gacacgcggc ggtgtcctgt gttggccatg gccgaactacc tgattagtgg gggcacgtcc 60  
 tacgtgccag acgacggact cacagcacag cagctcttca actgcggaga cggcctcacc 120  
 tacaatgact ttctcattct ccctgggtac atcgacttca ctgcagacca ggtggacctg 180  
 acttctgctc tgaccaagaa aatcactctt aagacccac tggtttcctc tcccatggac 240  
 acagtcacag aggctgggat ggccatagca atggcgctta caggcggtat tggcttcac 300  
 caccacaact gtacacctga attccaggcc aatgaagtgc ggaaagtga gaaatatgaa 360  
 cagggattca tcacagaccc tgtggtcctc agcccc 396

<210> 165  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 29, 33, 55, 57, 65, 77, 82, 87, 98, 101, 103, 114, 118, 124,  
 169, 171, 173, 183, 186, 188, 216, 219, 227, 230, 242, 243,  
 245, 252, 265, 273, 290, 296, 321, 324, 332, 338, 340, 342,  
 345, 359, 372, 380  
 <223> n = A,T,C or G

<400> 165  
 tttttttttt tttttttttt ttttttcang ggncaactgag gcttttttatt ttgancncaa 60  
 aaccnccggg gatctancct gnggcncccc cggaaatnac ncnaggctca catnactnta 120  
 aacncttggg ggaaaggagg gcaaaaaaaaa caatgacttg ggccaattnc ncnactgcaa 180  
 agntananc tccaacaggg ctccaggagg cttggnttnt gtaaaanttn taaggaagcg 240  
 gnnnaaactc cncggggggg gggcncctaac tancagggac ccctgcaagn gttggncggg 300  
 ggcttcaacc tgcttgagct nacncaaggg gnggggtntn tntanccaac aggggacnna 360  
 agggcttgcc tnccacagn ttacttggcc aagggg 396

<210> 166  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 151, 255  
 <223> n = A,T,C or G

<400> 166  
 ttttttcaaa ttcagagcat ttttattaaa agaacaaaat attaaggcac aaaatacatc 60  
 aattttttcaa atgaaaaccc ttcaaacggg tatgtcctac attcaacgaa acttcttcca 120  
 aattacggaa taatttaact ttttaaaaata naaaaaatata agttctttaa tgcctaaaat 180  
 ttctcccaa ataatgttt tcttagtttt aatgaagtct ctcatgcag tactgagctc 240  
 caatattata atgtncactt ccttaaaaaat ctagttttgc cacttatata cattcaatat 300  
 gtttaaccag tatattaacc agtatattaa ccaatatgtt aaacttcttt taagtataag 360  
 gcttggtatt ttgtattgct tattgcatgc tttgat 396

<210> 167  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 167  
 tggcggcagc ggccggtggcg gtggctgagc agaggaccgc ggggggggccc tcgcggtgca 60  
 ggacacaatg ttgacacgag gactgaagag gaaatgtgtt ggccacgagg aagacgtgga 120  
 gggagccctg gccggcttga agacagtgtc ctcatacagc ctgcagcggc agtcgctcct 180  
 ggacatgtct ctggtgaagt tgcagctttg ccacatgctt gtggagccca atctgtgccg 240  
 ctgagtcctc attgccaaca cggtcgggca gatccaagag gagatgacgc aggatgggac 300  
 gtggcgacac gtggcaccgc aggtgcaga gcgggcgcgc ctgcaccgct tgggtctccac 360  
 ggagatcctg tgccgtgcag cgtggggggca agagggg 396

<210> 168  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 168  
 taggatggta agagtattat aaggattggt acaaggcatg atgagtcctt ttgcttttag 60  
 gcttttgact tctggtttta gactttcttt agcttctgtt gttagacaac attgtgcaag 120  
 cttggttttt ataagtttgc atggattaaa ctgaacttaa tgaaattgtc cctcccccca 180  
 aattctcagc acaattttta ggcccacaag gagtcaagca cctcaaggag atcttcagtt 240  
 tgaacttggt gtagacacag ggatactgat gaatcaatat tcaaatttagc tgttacctac 300  
 ttaagaaaga gaggagacct tggggatttc gaggaagggt tcataaggga gatttttagct 360  
 gagaaatacc atttgacacag tcaatcactt ctgacc 396

<210> 169  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <222> 16, 58, 76, 84, 99, 111, 114, 124, 136, 140, 161, 167, 184,  
 189, 204, 206, 210, 228, 230, 232, 243, 275, 277, 289, 301,  
 303, 312, 319, 321, 323, 325, 333, 345, 349, 355, 359, 364,  
 365, 372, 375, 377, 379, 383, 387, 389, 394, 396  
 <223> n = A,T,C or G

<400> 169  
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 tgcnctaaaa acaaanacgn gatgttaata tcttttcccc ncaattntta cggataaaca 180  
 gtancccnna taaataaatg atancnaatn ttaaaattaa aaaagganan anatttagta 240  
 tgnaaaattc tctatttttt cttggtttgg ttttntntat aaaaaacana atagcaatgt 300  
 ntntttttatc anaatcccnt ntntnccctaa acnttttttt ttttntttnc cccnaatnc 360  
 aagnngccaa anatntntnt agnatgnana tgtntn 396

<210> 170  
 <211> 396  
 <212> DNA

<213> Homo sapiens

<400> 170

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gggaggccgt ttctaccagg tccctgtacc cctaccogac cggcgctcgcc gcttcctagc 180
catgaagtgg atgatcactg agtgccggga taaaaagcac cagcggacac tgatgccgga 240
gaagctgtca cacaagctgc tggaggcttt ccataaccag ggccccgtga tcaagaggaa 300
gcatgacttg cacaagatgg cagaggccaa ccgtgccctg gcccaactacc gctggtggta 360
gagtctccag gaggagccca gggccctctg cgcaag 396

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<210> 171

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 133, 224, 260, 264, 268, 279, 283, 317, 322, 338, 360, 370, 371, 378

<223> n = A,T,C or G

<400> 171

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catcatcatc ctntcagct ggtgggtca agtggaagt tctgtcactg ggatctggtt 180
cagtgtctca agaccttgc ccaccacgga aagccttttt cacntacccc aaaggacttg 240
gagagatggt agaagatggn tctnaaanat tcctctgcna atntgttttt agctatcaag 300
tggcttcccc ccttaancag gnaaaacatg atcagcangt tgctcggatg gaaaaactan 360
cttggtttgn naaaaaanct ggaggttga caatgg 396

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<210> 172

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 239, 242, 244, 246, 249, 257, 260, 314, 329, 355, 372, 378, 385, 387, 388, 395

<223> n = A,T,C or G

<400> 172

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actggagaga atgggcagaa gtcgtggtgt tgcagccctg tgcattgggg gtgggatggg 120
aatagcaatg tgtgttcaga gagaatgaat tgcttaaact ttgaacaacc tcaatttctt 180
tttaaactaa taaagtacta ggttgcaata tgtgaaaaaa aaaaaaaaaa ggcggccgnt 240
cnantntana gggcccnitn aaaccggtg atcaacctcg actgtgcctt ctagtgtcca 300
gccatctggt gttngccct ccccggtgnc tttcttgacc ttgaaagggg cccnccccct 360
gtctttccta anaaaaanga agaantnncc ttccnt 396

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<210> 173

<211> 396

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> 209, 210, 232, 244, 270, 275, 284, 341, 343, 349, 359, 364, 368, 376, 380, 382, 388, 389, 390, 392

<223> n = A,T,C or G

<400> 173

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taacaaacag attctttttat gtgatgctgg aactcttgac agctataatt attattcaga 120
aatgactttt tgaaagttaa agcagcataa agaatttgtc acaggaaggc tgtctcagat 180
aaattatggt aaaattttgc aggggacann ctttttaaga cttgcacaat tnccggatcc 240
tgcncgtgact ttggaaaagg catatatgtn ctagnggcat gganaatgcc ccatactcat 300
gcatgcaaat taaacaacca agtttgaatc tttttggggg ngngctatnc ttttaaccng 360
tacnggcntt attatntaan gncctgnnn cntgtg 396
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<210> 174

<211> 924

<212> DNA

<213> Homo sapiens

<400> 174

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ggaaaatcat ccgatcgga aacttcgagg aattgctcaa agtgctgggg gtgaatgtga 180
tgctgaggaa gattgctgtg gctgcagcgt ccaagccagc agtggagatc aaacaggagg 240
gagacacttt ctacatcaaa acctccacca ccgtgcgcac cacagagatt aacttcaagg 300
ttggggagga gtttgaggag cagactgtgg atgggaggcc ctgtaagagc ctgggtgaaat 360
gggagagtga gaataaaatg gtctgtgagc agaagctcct gaagggagag ggcccccaaga 420
cctcgtggac cacagaaactg accaacgatg gggaactgat cctgaccatg acggcggatg 480
acgttggtgtg caccagggtc tacgtccgag agtgagtggc cacaggtaga accgcggccg 540
aagccacca ctggccatgc tcaccgccct gcttcaactgc cccctccgtc ccacccccctc 600
cttctaggat agcgtctccc ttaccccagt cacttctggg ggtaactggg atgcctcttg 660
caggggtcttg ctttctttga cctcttctct cctccccctac accaacaag aggaatggct 720
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gccccaaacc agcccagagc agggctcttc taaaggggac ttgagggcct gaggaggaaa 840
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tgtaattttt attaaaatgc tttta 924
```

<210> 175

<211> 3321

<212> DNA

<213> Homo sapiens

<400> 175

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gaaaagaaac ttattttctgt tgacaaggaa cattccaata tctatcttca aaatggccca 180
gatagaattg ggagactata taagaaggcc ctttatcttc agtacacaga tgaacacctt 240
aggacaacta tagaaaaacc ggtctggcct gggttttttag gccctattat caaagctgaa 300
actggagata aagtttatgt aactttaaaa aaccttgcct ctaggcccta cacctttcat 360
tcacatggaa taacttacta taaggaacat gagggggcca tctaccctga taacaccaca 420
gattttcaaa gacagatga caaagtatat ccaggagagc agtatacata catgttgctt 480
```



```

gccactgaag aacaaagtc tggggaagga gatggcaatt gtgtgactag gatttaccat 540
tcccacattg atgctccaaa agatattgcc tcaggactca tcggaccttt aataatctgt 600
aaaaaagatt ctctagataa agaaaaagaa aaacatattg accgagaatt tgtggtgatg 660
ttttctgtgg tggatgaaaa ttccagctgg tacctagaag acaacattaa aacctactgc 720
tcagaaccag agaaagttga caaagacaac gaagacttcc aggagagtaa cagaatgtat 780
totgtgaatg gatacacttt tggaagtctc ccaggactct ccatgtgtgc tgaagacaga 840
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gacaccaaat ctggctgaat gaaataaatt ggtgataagt ggaaaaaaga gaaaaaccaa 3240
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catataaaga gactggagca t
3321

```

<210> 176

<211> 487

<212> DNA

<213> Homo sapiens

&lt;400&gt; 176

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tcaccactgt tatattacct tctccaggaa ccctccagtg gggaaggctg cgatattaga 180
tttccttgta tgcaaagttt ttgttgaaag ctgtgctcag aggaggtgag aggagaggaa 240
ggagaaaact gcatcataac ttacagaat tgaatctaga gtcttccccg aaaagcccag 300
aaactttctct gcagtatctg gcttggtccat ctggtctaag gtggctgctt cttccccagc 360
catgagtcag tttgtgccc tgaataatac acgacctgtt atttccatga ctgctttact 420
gtatttttaa ggtcaatata ctgtacattt gataataaaa taatattctc ccaaaaaaaaa 480
aaaaaaa                                         487

```

&lt;210&gt; 177

&lt;211&gt; 3999

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 177

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caagattcca catttgatgg ggtgactgac aaaccatct tagactgctg tgcctgcgga 60
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tacctcgctc gggccaacca ctgggtctgc atcatcggag gatccactc caagaattat 180
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```

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<210> 178
<211> 1069
<212> DNA
<213> Homo sapiens

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<400> 178
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caataaaaaga gagtagaagg actgtctgag aaggcaggag acatataaaa cagatgactg 240
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acctgcatct taattttcaa aacttaagtt ttattagcaa atcctcttct ctgtaagact 960
tagctatgaa gtggtatatt ttttccaaat atttttctga aaacatttgt tgttgtaact 1020

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1069

<210> 179

<211> 1817

<212> DNA

<213> Homo sapiens

<400> 179

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atgctgagta ttctatagga aagctgaatg ctgctgtaaa gtgctcttta agtctttttt 180
ttttttaatc ccttctaat gaatgaaact aggggaattt caggggacag agatgggatt 240
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ccaagcttct gatgattcac acctgtacta ctgattatta agcaggacag actgagcttt 480
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<211> 2382

<212> DNA

<213> Homo sapiens

<400> 180

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 <212> DNA  
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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1370

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<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 agccatgagg actctgcttt catgactcat cactccgcaa aggccacct ccatacagaag 1320  
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acacatcattc aaactcacat tgtaacgatt atttcacttt tcaaaaaaaaaa tggcattaga 2940  
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<210> 186  
 <211> 807  
 <212> PRT  
 <213> Homo sapiens

<400> 186

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			20					25					30		
Thr	Leu	Asp	Lys	Val	Pro	Lys	Ser	Glu	Gly	Tyr	Cys	Ser	Arg	Ile	Leu
		35					40					45			
Arg	Ala	Gln	Gly	Thr	Arg	Arg	Glu	Gly	Tyr	Thr	Glu	Phe	Ser	Leu	Arg
	50					55					60				
Val	Glu	Gly	Asp	Pro	Asp	Phe	Tyr	Lys	Pro	Gly	Thr	Ser	Tyr	Arg	Val
65					70					75				80	
Thr	Leu	Ser	Ala	Ala	Pro	Pro	Ser	Tyr	Phe	Arg	Gly	Phe	Thr	Leu	Ile
				85					90					95	
Ala	Leu	Arg	Glu	Asn	Arg	Glu	Gly	Asp	Lys	Glu	Glu	Asp	His	Ala	Gly
			100					105					110		
Thr	Phe	Gln	Ile	Ile	Asp	Glu	Glu	Glu	Thr	Gln	Phe	Met	Ser	Asn	Cys
	115						120					125			
Pro	Val	Ala	Val	Thr	Glu	Ser	Thr	Pro	Arg	Arg	Arg	Thr	Arg	Ile	Gln
	130					135						140			
Val	Phe	Trp	Ile	Ala	Pro	Pro	Ala	Gly	Thr	Gly	Cys	Val	Ile	Leu	Lys
145					150					155				160	
Ala	Ser	Ile	Val	Gln	Lys	Arg	Ile	Ile	Tyr	Phe	Gln	Asp	Glu	Gly	Ser
				165					170					175	
Leu	Thr	Lys	Lys	Leu	Cys	Glu	Gln	Asp	Ser	Thr	Phe	Asp	Gly	Val	Thr
			180					185					190		
Asp	Lys	Pro	Ile	Leu	Asp	Cys	Cys	Ala	Cys	Gly	Thr	Ala	Lys	Tyr	Arg
		195					200					205			
Leu	Thr	Phe	Tyr	Gly	Asn	Trp	Ser	Glu	Lys	Thr	His	Pro	Lys	Asp	Tyr
	210					215						220			
Pro	Arg	Arg	Ala	Asn	His	Trp	Ser	Ala	Ile	Ile	Gly	Gly	Ser	His	Ser
225					230						235				240
Lys	Asn	Tyr	Val	Leu	Trp	Glu	Tyr	Gly	Gly	Tyr	Ala	Ser	Glu	Gly	Val
				245					250					255	
Lys	Gln	Val	Ala	Glu	Leu	Gly	Ser	Pro	Val	Lys	Met	Glu	Glu	Glu	Ile
			260					265					270		
Arg	Gln	Gln	Ser	Asp	Glu	Val	Leu	Thr	Val	Ile	Lys	Ala	Lys	Ala	Gln
			275				280					285			
Trp	Pro	Ala	Trp	Gln	Pro	Leu	Asn	Val	Arg	Ala	Ala	Pro	Ser	Ala	Glu
	290					295						300			
Phe	Ser	Val	Asp	Arg	Thr	Arg	His	Leu	Met	Ser	Phe	Leu	Thr	Met	Met
305						310				315					320
Gly	Pro	Ser	Pro	Asp	Trp	Asn	Val	Gly	Leu	Ser	Ala	Glu	Asp	Leu	Cys
				325					330					335	
Thr	Lys	Glu	Cys	Gly	Trp	Val	Gln	Lys	Val	Val	Gln	Asp	Leu	Ile	Pro
			340					345					350		

Trp	Asp	Ala	Gly	Thr	Asp	Ser	Gly	Val	Thr	Tyr	Glu	Ser	Pro	Asn	Lys
		355					360					365			
Pro	Thr	Ile	Pro	Gln	Glu	Lys	Ile	Arg	Pro	Leu	Thr	Ser	Leu	Asp	His
		370				375					380				
Pro	Gln	Ser	Pro	Phe	Tyr	Asp	Pro	Glu	Gly	Gly	Ser	Ile	Thr	Gln	Val
385					390					395					400
Ala	Arg	Val	Val	Ile	Glu	Arg	Ile	Ala	Arg	Lys	Gly	Glu	Gln	Cys	Asn
				405					410					415	
Ile	Val	Pro	Asp	Asn	Val	Asp	Asp	Ile	Val	Ala	Asp	Leu	Ala	Pro	Glu
			420					425					430		
Glu	Lys	Asp	Glu	Asp	Asp	Thr	Pro	Glu	Thr	Cys	Ile	Tyr	Ser	Asn	Trp
		435					440					445			
Ser	Pro	Trp	Ser	Ala	Cys	Ser	Ser	Ser	Thr	Cys	Asp	Lys	Gly	Lys	Arg
		450				455					460				
Met	Arg	Gln	Arg	Met	Leu	Lys	Ala	Gln	Leu	Asp	Leu	Ser	Val	Pro	Cys
465					470					475					480
Pro	Asp	Thr	Gln	Asp	Phe	Gln	Pro	Cys	Met	Gly	Pro	Gly	Cys	Ser	Asp
				485					490					495	
Glu	Asp	Gly	Ser	Thr	Cys	Thr	Met	Ser	Glu	Trp	Ile	Thr	Trp	Ser	Pro
			500					505					510		
Cys	Ser	Ile	Ser	Cys	Gly	Met	Gly	Met	Arg	Ser	Arg	Glu	Arg	Tyr	Val
		515					520					525			
Lys	Gln	Phe	Pro	Glu	Asp	Gly	Ser	Val	Cys	Thr	Leu	Pro	Thr	Glu	Glu
		530				535					540				
Met	Glu	Lys	Cys	Thr	Val	Asn	Glu	Glu	Cys	Ser	Pro	Ser	Ser	Cys	Leu
545					550					555					560
Met	Thr	Glu	Trp	Gly	Glu	Trp	Asp	Glu	Cys	Ser	Ala	Thr	Cys	Gly	Met
				565					570					575	
Gly	Met	Lys	Lys	Arg	His	Arg	Met	Ile	Lys	Met	Asn	Pro	Ala	Asp	Gly
			580					585					590		
Ser	Met	Cys	Lys	Ala	Glu	Thr	Ser	Gln	Ala	Glu	Lys	Cys	Met	Met	Pro
		595					600					605			
Glu	Cys	His	Thr	Ile	Pro	Cys	Leu	Leu	Ser	Pro	Trp	Ser	Glu	Trp	Ser
		610				615					620				
Asp	Cys	Ser	Val	Thr	Cys	Gly	Lys	Gly	Met	Arg	Thr	Arg	Gln	Arg	Met
625					630					635					640
Leu	Lys	Ser	Leu	Ala	Glu	Leu	Gly	Asp	Cys	Asn	Glu	Asp	Leu	Glu	Gln
				645					650					655	
Val	Glu	Lys	Cys	Met	Leu	Pro	Glu	Cys	Pro	Ile	Asp	Cys	Glu	Leu	Thr
			660					665					670		
Glu	Trp	Ser	Gln	Trp	Ser	Glu	Cys	Asn	Lys	Ser	Cys	Gly	Lys	Gly	His
		675					680					685			
Val	Ile	Arg	Thr	Arg	Met	Ile	Gln	Met	Glu	Pro	Gln	Phe	Gly	Gly	Ala
					695						700				
Pro	Cys	Pro	Glu	Thr	Val	Gln	Arg								

Phe Lys Ser Ser Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg  
 785 790 795 800  
 Ala Cys Asn Val His Pro Cys  
 805

<210> 187  
 <211> 892  
 <212> DNA  
 <213> Homo sapiens

<400> 187  
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 taagcaccct tggcttctca cccattcctc atgtggcatg ctttctagac tttaaaatga 120  
 ggtaccctga atagcactaa gtgctctgta agctcaagga atctgtgcag tgctacaaag 180  
 cccacaggca gagaaagaac tcttcaagtg cttgtgggtca gagactaggt tccatatgag 240  
 gcacacctat gatgaaggtc ttcacctcca gaaggtgaca ctgttcagag atcctcattt 300  
 cctggagagt gggagaaaat ccttcctttg ggaaatccct tttcccagca gcagagccca 360  
 cctcattgct tagtgatcat ttggaaggca ctgagagcct tcaggggctg acagcagaga 420  
 aatgaaaatg agtacagttc agatgggtga agaagcatgg cagtgcacac ttccatgctc 480  
 tttttctcag tgtctgcaac tccaaagatc aaggccataa cccaggagac catcaacgga 540  
 agattagttc tttgtcaagt gaatgaaatc caaaagcacg catgagacca atgaaagtgt 600  
 ccgcctgttg taaaatctat tttcccccac ggaaagtcct tgcacagaca ccagtgaagt 660  
 agttctaaaa gatacccttg gaattatcag actcagaaac ttttattttt tttttctgta 720  
 acagtctcac cagacttctc ataatgctct taatatattg cacttttcta atcaaagtgc 780  
 gagtttatga gggtaaagct ctactttcct actgcagcct tcagattctc atcattttgc 840  
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<210> 188  
 <211> 1448  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> 1124  
 <223> n = A,T,C or G

<400> 188  
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 gagtgtttac aactcaaaca actttttgaa tgcagtagtt tttttttttt aaaaacaaac 120  
 ttttatgtca aatttttttt cttagaagta gtcttcatta ttataaattt gtacaccaaa 180  
 aggccatggg gaactttgtg caagtacctc atcgctgagc aaatggagct tgctatgttt 240  
 taatttcaga aaatttcctc atatacgtag tgtgtagaat caagtctttt aataattcat 300  
 ttttcttca taatatttac tcaaagttaa gcttaaaaaa aagttttatc ttaaaatcat 360  
 atttgaagac agtaagacag taaactattt taggaagtca acccccattg cactctgtgg 420  
 cagttattct ggtaaaaata ggcaaaagtg acctgaatct acaatgggtg cccaaagtaa 480  
 ccaagtaaga gagattgtaa atgataaacc gagcttttaa ggataaagtg ttaataaaga 540  
 aagggaagctg ggcacatgtc aaaaagggag atcgaaatgt taggtaatca tttagaaagg 600  
 acagaaaata tttaaagtgg ctcataggta atgaatatct ctgacttaga tgtaaatcca 660  
 tctggaatct ttacatcctt tgccagctga aacaagaaag tgaagggaca atgatatttc 720  
 atggtcagtt tattttgtaa gagacagaag aaatttatct tatacattac cttgtagcag 780  
 cagtacctgg aagccccagc ccgtcacaga agtgtggagg ggggctcctg actagacaat 840  
 ttccctagcc cttgtgattt gaagcatgaa agttctggca ggttatgagc agcactaggg 900

```

ataaagtatg gttttatattt ggtgtaattt aggttttttca acaaagccct tgtctaaaat 960
aaaaggcatt attggaaata tttgaaaact agaaaatgat ggataaaagg gctgataaga 1020
aaatttctga ctgtcagtag aagtgagata agatcctcag aggaaacagt aagaagggat 1080
aatcattaag atagtaaaac aggcaaagca gaatcacatg tgcncacaca catacacatg 1140
taaacattgg aatgcataag ttttaatat ttagcgctat cagtttctaa atgcattaat 1200
tactaactgc cctctcccaa gattcattta gttcaaacag tatccgtaaa ctaggataaa 1260
tgccacatgc attcaatggg atcttttaag tactcttcag tttgttccaa gaaatgtgcc 1320
tactgaaatc aaattaattt gtattcaatg tgtacttcaa gactgcta atgtttcatct 1380
gaaagcctac aatgaatcat tgttcamcct tgaaaaataa aattttgtaa atcaaaaaaa 1440
aaaaaaaaa 1448

```

```

<210> 189
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<400> 189
ttttgggagc acggactgtc agttctctgg gaagtgggtc ggcgatcctg cagggtttct 60
cctcctctgt cttttggaga accagggctc ttctcagggg ctctagggac tgccaggctg 120
tttcagccag gaaggccaaa atcaagagt agatgtagaa agttgtaaaa tagaaaaagt 180
ggagttgggtg aatcggttgt tctttcctca catttggtat attgtcataa ggtttttagc 240
atgttcctcc ttttcttcac cctccccttt tttcttctat taatcaagag aaacttcaaa 300
gttaatggga tggtcggatc tcacaggctg agaactcgtt cacctccaag catttcatga 360
aaaagctgct tcttattaat catacaaact ctcaccatga tgtgaagagt ttcacaaatc 420
cttcaaaaata aaaagtaatg acttaaaaaa aaaaaaaaaa 460

```

```

<210> 190
<211> 481
<212> DNA
<213> Homo sapiens

```

```

<400> 190
aggtgggtgga agaaactgtg gcacgaggtg actgaggtat ctgtgggagc taatcctgtc 60
caggtggaag taggagaatt tgatgatggt gcagaggaaa ccgaagagga ggtgggtggcg 120
gaaaatccct gccagaacca cactgcaaaa cacggcaagg tgtgagagct ggatgagaac 180
aacacccccca tgtgctgtgt ccaggacccc accagctgcc cagcccccat tggcgagttt 240
gagaagggtgt gcagcaatga caacaagacc ttcgactctt cctgccactt ctttgccaca 300
aagtgcaccc tggagggcac caagaagggc cacaagctcc acctggacta catcgggcct 360
tgcaaataca tcccccttg cctggactct gagctgaccg aattccccct gcgatgcgg 420
gactggctca agaactcct ggtaaccctg tatgagaggg atgaggacaa caaccttctg 480
a 481

```

```

<210> 191
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 312, 455
<223> n = A,T,C or G

```

```

<400> 191
atataaatta gactaagtgt tttcaaataa atctaaatct tcagcatgat gtgttggtgta 60

```

```

taattggagt agatattaat taagtccctt gtataatgtt ttgtaatttt gcaaaacata 120
tcttgagttg tttaaacagt caaaatgttt gatattttat accagcttat gagctcaaag 180
tactacagca aagcctagcc tgcataatcat tcacccaaaa caaagtaata gcgcctcttt 240
tattatittg actgaatgtt ttatggaatt gaaagaaaca tacgttcttt tcaagacttc 300
ctcatgaatc tntcaattat aggaaaagtt attgtgataa aataggaaca gctgaaagat 360
tgattaatga actattgtta attcttctta ttttaatgaa tgacattgaa ctgaattttt 420
tgtctgttaa atgaacttga tagctaataa aaagncaact agccatcaaa aaaaaaaaaa 480
aaaaaaaaa 489

```

```

<210> 192
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<400> 192
acttcaaagc cagctgaagg aaagaggaag tgctagagag agcccccttc agtgtgtcttc 60
tgactttttac ggacttggct tgtagaagg ctgaaagatg atggcaggaa tgaaaaatcca 120
gcttgatgac atgctactcc tggctttcag ctcttgaggt ctgtgtctcag attcagaaga 180
ggaaatgaaa gcattagaag cagatttctt gaccaatatg catacatcaa agattagtaa 240
agcacatgtt ccctcttgga agatgactct gctaaatgtt tgcagtcttg taaataattt 300
gaacagccca gctgaggaaa caggagaagt tcatgaagag gagcttggtg caagaaggaa 360
cttcttactg ctttagatgg ctttagcttg gaagcaatgt tgacaatata ccagctccac 420
aaaatctgtc acagcagggc ttttcaacac tgggagttaa tccaggaaga tattcttgat 480
actggaaatg acaaaaatgg aaaggaagaa gtcata 516

```

```

<210> 193
<211> 1409
<212> DNA
<213> Homo sapiens

```

```

<400> 193
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aattgagaaa tataagatga aaaggaatgg taaaaatata ttttaggggg cttttaattg 120
gtgatctgaa atcttggggag aagctgttct tttcaggcct gaggtgctct tgactgtcgc 180
ctgcgcactg tgtaccccgga gcaacattct aagggtgtgc tttcgccctg gctaactcct 240
ttgacctcat tcttcatata gtagtctagg aaaaagttgc aggtaattta aactgtctag 300
tggtacatag taactgaatt tctattccta tgagaaatga gaattattta tttgccatca 360
acacatttta tactttgcat ctccaaattt attgcgggcga gacttgtcca ttgtgaaagt 420
tagagaacat tatgtttgta tcatttcttt cataaaacct caagagcatt ttttagccct 480
tttcatcaga ccagtgaaa actaaggata gatgtttttt aactggaggt ctctgataa 540
ggagaacaca atccaccatt gtcattttaag taataagaca ggaaattgac cttgacgctt 600
tcttgttaaa tagatttaac aggaacatct gcacatcttt tttccttggt cactatttgt 660
ttaattgcag tggattaata cagcaagagt gccacattat aactaggcaa ttatccattc 720
ttcaagactt agttattgtc aactaattg atcgttttaag gcataagatg gtctagcatt 780
aggaacatgt gaagctaata tgcacaaaaa gatcaacaaa ttaatatgtt tgctgatatt 840
tgcataattg gctgcaatta tttaatgttt aattgggttg atcaaatgag attcagcaat 900
tcacaagtgc attaatataa acagaactgg ggcactttaa atgataatga ttaacttata 960
ttgcatgttc tcttcttttc acttttttca gtgtctacat ttcagaccga gtttgtcagc 1020
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aaacctgagc agttcctaaa aagatttgtt gttagaaatt ttctttgtgg cagtcattta 1140
ttaaggattc aactcgtgat acaccaaaaag aagagttgac ttcagagatg tgttccatgc 1200
tctctagcac aggaatgaat aaatttataa cacctgcttt agcctttgtt ttcaaaagca 1260
caaaggaaaa gtgaaagggg aagagaaaca agtgactgag aagtcttggt aaggaatcag 1320
gttttttcta cctggtaaac attctctatt cttttctcaa aagattgttg taagaaaaaa 1380

```

tgtaagmcaa aaaaaaaaaa aaaaaaaaaa

1409

<210> 194  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 194  
cagatttcgg tagccatctc cctccaaata tgtctctttc tgctttctta gtgcccatta 60  
tttcccttc tcttttcttc tgtcactgcc atctccttct tggctctccc attgttcttt 120  
aactggccgt aatgtggaat tgatatttac attttgatac gggttttttc ttggcctgtg 180  
tacgggattg cctcatttcc tgctctgaat tttaaaatta gatattaaag ctgtcatatg 240  
gtttcctcac aaaagtcaac aaagtccaaa caaaaatagt ttgccgtttt actttcatcc 300  
attgaaaaag gaaattgtgc ctcttgacgc ctaggcaaag gacatttagt actatcgatt 360  
ctttccaccc tcacgatgac ttgcggttct ctctgtagaa aagggatggc ctaagaaata 420  
caactaaaaa aaaaaaaaaa a 441

<210> 195  
<211> 707  
<212> DNA  
<213> Homo sapiens

<400> 195  
cagaaaaata tttggaaaaa atataccact tcatagctaa gtcttacaga gaagaggatt 60  
tgctaataaa acttaagttt tgaaaattaa gatgcaggta gagcttctga actaatgccc 120  
acagctccaa ggaagacatg tectatttag ttattcaaat acaagttgag ggcattgtga 180  
ttaagcaaac aatatatttg ttagaacttt gtttttaaat tactgttcc tgcattact 240  
tataaagagt ctctaacttt cgatttctaa aactatgtaa tacaaaagta tagtttcccc 300  
atttgataaa aggccaatga tactgagtag gatatatgag tatcatgcta cttcatcag 360  
tgtgtctgtt ttttttcccc ttcaaaattg tgctttaagt gctgataacc acaggcagat 420  
tgataaagaac tgataaggca acaaaagtag agaatttttag gatcaaaggc atgtaactga 480  
aaggtaacaa cagtacataa gcgacaactg gggaaggcag cagtgaacaa tgtttgtggg 540  
gttaagttag tcattgtaaa taagggaattt gcacatttat tttctgtcga cgcggccgcc 600  
actgtgctgg atatctgcag aattccacca cactggacta gtggatc 707

<210> 196  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> 61, 129, 189, 222, 241, 278, 324, 338, 363, 408, 415, 463, 483  
<223> n = A,T,C or G

<400> 196  
tggccagcca gctgatgtg gatggcttcc ttgggggtgg gcttccctca agcccgaatt 60  
ngtggacatc atcaatgcca aacaatgagc cccatccatt ttccctaccc ttcctgcca 120  
gccagggant aagcagccca gaagcccagt aactgccctt tccctgcata tgcttttgat 180  
ggtgtcatnt gctccttctt gtggcctcat ccaaactgta tnttcttta ctgtttatat 240  
nttcacctg taatggttgg gaccaggcca atcccttntc cacttactat aatggttgga 300  
actaaacgtc accaaggtgg ctntccttg gctgaganat ggaaggcgtg gtgggatttg 360

```

ctnctggggtt ccctaggccc tagtgagggc agaagagaaa ccctcctntc ccttntttaca 420
ccgtgagggcc aagatccctt cagaaggcag gagtgtgtgcc ctntcccatg gtgccccgtgc 480
ctntgtgtctg tgtatgtgaa ccacccatgt gaggggaataa acctggcact aggaaaaaaaa 540
aaaaaaaaaa aa 552

```

```

<210> 197
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 56, 58, 76
<223> n = A,T,C or G

```

```

<400> 197
ctccagagac aacttcgcgg tgtgggtgaac tctctgagga aaaacacgtg cgtggnanca 60
agtgtactgag acctanaaat ccaagcgttg gaggtcctga ggccagccta agtcgcttca 120
aaatggaacg aaggcggttt cggggttcca ttcagagccg atacatcagc atgagtgtgt 180
ggacaagccc acggagactt gtggagctgg cagggcagag cctgtctgaag gatgaggccc 240
tggccattgc ccgccctgga gttgtgtgcc agggagctct tcccgccact cttcatggca 300
gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360
tgcctccctc tgggagtgtc gatgaaggga caacatcttc acctggagac cttcaaagct 420
gtgcttgatg gacttgatgt gctccttgc 449

```

```

<210> 198
<211> 606
<212> DNA
<213> Homo sapiens

```

```

<400> 198
tgagtttgcc cccttaccct catcccagtg aatattttgca attcctaaag acgtgtttttg 60
attgtcacac ctgggtgggg aacatgctac tggcatctaa tgcatagagg gcagtaatgc 120
tgctaaacat ctttcaacgc acaggacaga gccccacaaa agagaattat ctagccccc 180
atgtccataa cactgtgtgt gagaaaacct accgcaggat cttactgggc ttcataaggta 240
agcttgccct tgttctggct tctgtagata tataaaataa agacactgcc cagtccctcc 300
ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga acactaaata 360
ttgatttcaa aatctcagca actagaagaa tgaccaacca tcttggttgg cctgggactg 420
tcctagtttt agcattgaaa gtttcagggt ccaggaaagc cctcaggcct gggctgtgtg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttta tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttcttgt 600
ctgcac 606

```

```

<210> 199
<211> 369
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 29, 345
<223> n = A,T,C or G

```

```

<400> 199

```



```

ggcaactttt tgcggattgt tcttgcttnc aggctttgcg ctgcaaattcc agtgctacca 60
gtgtgaagaa ttccagctga acaacgactg ctctccccc gagttcattg tgaattgcac 120
ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180
ccgcaagtc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300
cgggccaagg cccaagaaaa ggggaagttc tgctcggcc ctccangccat ggctccgcac 360
caccatcct
369

```

<210> 200  
 <211> 55  
 <212> PRT  
 <213> Homo sapiens

```

<400> 200
Met Tyr Arg Asn Trp Ser Gly Cys Phe Gly Leu Gln Val Thr Leu Cys
 1           5           10           15
His Thr Phe Glu Thr Arg Asp Leu Ser Arg Leu Ser Ser Asp Ser Gln
           20           25           30
Pro Thr Ser Asn Val Ser Gln Ser Ile Ser His Lys Val Leu Ser Phe
           35           40           45
Ser Gly Val Ile Val Thr Pro
 50           55

```

<210> 201  
 <211> 67  
 <212> PRT  
 <213> Homo sapiens

```

<400> 201
Met Gln Leu Leu Ser Pro Asn Thr Lys Phe Thr Ser Cys Leu Ser Arg
 1           5           10           15
Gln Arg Gly Asn Leu Val Phe Leu Gly Asp Leu Lys Gly Cys Ser Glu
           20           25           30
Leu Lys Asn Phe Gln Glu Leu Ile Asn Gln Ser Ala Leu Val His Pro
           35           40           45
Arg Val Asp Val Trp Trp Tyr Cys Gly Gly Pro Leu Leu Gly Thr Leu
           50           55           60
Pro Asn Asn
65

```

<210> 202  
 <211> 73  
 <212> PRT  
 <213> Homo sapiens

```

<400> 202
Met Thr Pro Glu Lys Leu Arg Thr Leu Cys Glu Ile Asp Trp Leu Thr
 1           5           10           15
Leu Glu Val Gly Trp Leu Ser Glu Glu Ser Leu Glu Arg Ser Leu Val
           20           25           30
Ser Lys Val Trp His Lys Val Thr Cys Lys Pro Lys His Pro Asp Gln
           35           40           45

```

Phe Leu Tyr Ile Asp Ser Tyr Ser Trp Phe Arg Pro Leu Pro Pro Leu  
 50 55 60  
 Pro Thr Val Val Lys Arg Thr Ala Ala  
 65 70

<210> 203  
 <211> 2008  
 <212> DNA  
 <213> Homo sapiens

<400> 203  
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 aaatggaacg aaggcgtttg cggggttcca ttcagagccg atacatcagc atgagtgtgt 180  
 ggacaagccc acggagactt gtggagctgg cagggcagag cctgctgaag gatgaggccc 240  
 tggccattgc ccgccctgga gttgctgccc agggagctct tcccgccact cttcatggca 300  
 gcctttgacg ggagacacag ccagaccctg aaggcaatgg tgcaggcctg gcccttcacc 360  
 tgcctccctc tgggagtgtc gatgaaggga caacatcttc acctggagac cttcaaagct 420  
 gtgcttgatg gacttgatgt gctccttgcc caggaggttc gcccaggag gtggaaactt 480  
 caagtgtgtg atttacggaa gaactctcat caggacttct ggactgtatg gtctggaaac 540  
 agggccagtc tgtactcatt tccagagcca gaagcagctc agcccatgac aaagaagcga 600  
 aaagtagatg gtttgagcac agaggcagag cagcccttca ttccagtaga ggtgctcgta 660  
 gacctgttcc tcaaggaagg tgccgtgtgat gaattgttct cctacctcat tgagaaagtg 720  
 aagcgaagaa aaaatgtact acgcctgtgc tgtaagaagc tgaagatttt tgcaatgccc 780  
 atgcaggata tcaagatgat cctgaaaatg gtgcagctgg actctattga agatttgga 840  
 gtgacttgta cctggaagct acccaccttg gcgaaaatttt ctccctaacct gggccagatg 900  
 attaatctgc gtagactcct cctctccac atccatgcat ctccctacat tccccggag 960  
 aaggaagagc agtatatgcg ccagttcacc tctcagttcc tcagtctgca gtgcctgcag 1020  
 gctctctatg tggactcttt atttttccct agaggccgcc tggatcagtt gctcaggcac 1080  
 gtgatgaacc ccttggaaac cctctcaata actaactgcc ggctttcgga aggggatgtg 1140  
 atgcatctgt cccagagtcc cagcgtcagt cagctaagtg tcttgagtct aagtggggtc 1200  
 atgctgaccg atgtaagtcc cgagccctc caagctctgc tggagagagc ctctgccacc 1260  
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 atatctgcct tgcagagtct cctgcagcac ctcatcgggc tgagcaatct gaccacagt 1440  
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 cttgcctatc tgcagccag gctcagggag ttgctgtgtg agttggggcg gccagcatg 1560  
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 agtttcagac aaatgttcag tgtgagtgtg gaaaacatgt tcagttagga aaaaacattc 1800  
 agacaaatgt tcagttagga aaaaaagggg aagttgggga taggcagatg ttgacttgag 1860  
 gagttaatgt gatctttggg gagatacatc ttatagagtt agaaatagaa tctgaatttc 1920  
 taaagggaga ttctggcttg ggaagtacat gtaggagtta atccctgtgt agactgttgt 1980  
 aaagaaactg ttgaaaaaaa aaaaaaaa 2008

<210> 204  
 <211> 923  
 <212> DNA  
 <213> Homo sapiens

<400> 204  
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```

attgtcacac ctgggtgggg aacatgctac tggcatctaa tgcatagagg gcagtaatgc 120
tgctaaacat ctttcaacgc acaggacaga gccccacaaa agagaattat ctagccccaa 180
atgtccataa cactgctgtt gagaaaacct accgcaggat cttactgggc ttcataggta 240
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ctcaacgtcc cgagccaggg ctcaaggcaa ttccaataac agtagaatga aactaaata 360
ttgatttcaa aatctcagca actagaagaa tgaccaacca tcctggttgg cctgggactg 420
tcctagtttt agcattgaaa gtttcagggt ccaggaaagc cctcaggcct gggctgctgg 480
tcaccctagc agctgaggga ctcttcaata cagaattagt ctttgtgcac tggagatgaa 540
tatactttaa tttgtaacat gtgaaaacat ctataaacat ctactgaagc ctgttctgtc 600
tgacccgaca ttttcattga gtacggatcc ttctaccag atacagctgc tctacaactt 660
tcgagggctg gtataaaact agctttttacc tttttttaa aattacatga atagtaaaaa 720
cttggattaa cccagtattc ggggtatttc aatttccttg ggagcttaga ggacggacaa 780
ataaaaagat tttttcaaca tcaaatatat gctattgttt acatatgaag ataaccacat 840
atatgtataa attcacggtt acttttttagc aatactataa aatccaacag aaaaaaatag 900
catttactaa aaaaaaaaaa aaa

```

923

```

<210> 205
<211> 1619
<212> DNA
<213> Homo sapiens

```

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<400> 205
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gtgtgaagaa ttccagctga acaacgactg ctccctcccc gagttcattg tgaattgcac 120
ggtgaacggt caagacatgt gtcagaaaga agtgatggag caaagtgcg ggatcatgta 180
cgcgaagtcc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240
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cgggccaaag ccgaagaaaa ggggaagttc tgccctcgcc ctccaggccag ggctccgcac 360
caccatcctg ttccctcaaat tagccctctt ctcggcacac tgcgtgaagct gaaggagatg 420
ccacccctc ctgcattgtt ctccagccc tcgccccaa cccccacct ccctgagtga 480
gtttcttctg ggtgtccttt tttctgggt agggagcggg agtcogtgtt ctcttttgtt 540
cctgtgcaaa taatgaaaga gtcggtataa gcattctgaa taaattcagc ctgactgaat 600
tttcagtatg tacttgaagg aaggaggtgg agtgaaaagt ccccccatg tctgtgtaac 660
cggagtcaag gccaggctgg cagagtcagt ccttagaagt cactgaggtg ggcactctgc 720
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cagcttcttt tgccacaagc aagagagaat ttaacactgt ttcaaaccg ggggagttgg 1560
ctgtgttaaa gaaagaccat taaatgcttt agacagtgt aaaaaaaaa aaaaaaaaa 1619

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<210> 206
<211> 2364
<212> DNA
<213> Homo sapiens

```

&lt;400&gt; 206

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gccagcatcg tacaaaaacg cattatttat tttcaagatg agggctctct gaccaagaaa 480
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ccaaaggatt accctcgctg ggccaaccac ttgtctgcga tcatcgagg atccccactcc 660
aagaattatg tactgtggga atatggagga tatgccagcg aaggcgtcaa acaagttgca 720
gaattgggct caccctgtaa aatggaggaa gaaattcgac aacagagtga tgaggtcctc 780
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acggcctggt cagaatgcac caaactgtgc ggaggtggaa ttcaggaacg ttacatgact 2280
gtaaagaaga gattcaaaag ctcccagttt accagctgca aagacaagaa ggagatcaga 2340
gcatgcaatg ttcctccttg ttag
2364

```

&lt;210&gt; 207

&lt;211&gt; 787

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 207

```

Met Gln His His His His His His Phe Ser Asp Glu Thr Leu Asp Lys
 1             5             10             15
Val Pro Lys Ser Glu Gly Tyr Cys Ser Arg Ile Leu Arg Ala Gln Gly
                20             25             30
Thr Arg Arg Glu Gly Tyr Thr Glu Phe Ser Leu Arg Val Glu Gly Asp

```

35 40 45  
 Pro Asp Phe Tyr Lys Pro Gly Thr Ser Tyr Arg Val Thr Leu Ser Ala  
 50 55 60  
 Ala Pro Pro Ser Tyr Phe Arg Gly Phe Thr Leu Ile Ala Leu Arg Glu  
 65 70 75 80  
 Asn Arg Glu Gly Asp Lys Glu Glu Asp His Ala Gly Thr Phe Gln Ile  
 85 90 95  
 Ile Asp Glu Glu Thr Gln Phe Met Ser Asn Cys Pro Val Ala Val  
 100 105 110  
 Thr Glu Ser Thr Pro Arg Arg Arg Thr Arg Ile Gln Val Phe Trp Ile  
 115 120 125  
 Ala Pro Pro Ala Gly Thr Gly Cys Val Ile Leu Lys Ala Ser Ile Val  
 130 135 140  
 Gln Lys Arg Ile Ile Tyr Phe Gln Asp Glu Gly Ser Leu Thr Lys Lys  
 145 150 155 160  
 Leu Cys Glu Gln Asp Ser Thr Phe Asp Gly Val Thr Asp Lys Pro Ile  
 165 170 175  
 Leu Asp Cys Cys Ala Cys Gly Thr Ala Lys Tyr Arg Leu Thr Phe Tyr  
 180 185 190  
 Gly Asn Trp Ser Glu Lys Thr His Pro Lys Asp Tyr Pro Arg Arg Ala  
 195 200 205  
 Asn His Trp Ser Ala Ile Ile Gly Gly Ser His Ser Lys Asn Tyr Val  
 210 215 220  
 Leu Trp Glu Tyr Gly Gly Tyr Ala Ser Glu Gly Val Lys Gln Val Ala  
 225 230 235 240  
 Glu Leu Gly Ser Pro Val Lys Met Glu Glu Glu Ile Arg Gln Gln Ser  
 245 250 255  
 Asp Glu Val Leu Thr Val Ile Lys Ala Lys Ala Gln Trp Pro Ala Trp  
 260 265 270  
 Gln Pro Leu Asn Val Arg Ala Ala Pro Ser Ala Glu Phe Ser Val Asp  
 275 280 285  
 Arg Thr Arg His Leu Met Ser Phe Leu Thr Met Met Gly Pro Ser Pro  
 290 295 300  
 Asp Trp Asn Val Gly Leu Ser Ala Glu Asp Leu Cys Thr Lys Glu Cys  
 305 310 315 320  
 Gly Trp Val Gln Lys Val Val Gln Asp Leu Ile Pro Trp Asp Ala Gly  
 325 330 335  
 Thr Asp Ser Gly Val Thr Tyr Glu Ser Pro Asn Lys Pro Thr Ile Pro  
 340 345 350  
 Gln Glu Lys Ile Arg Pro Leu Thr Ser Leu Asp His Pro Gln Ser Pro  
 355 360 365  
 Phe Tyr Asp Pro Glu Gly Gly Ser Ile Thr Gln Val Ala Arg Val Val  
 370 375 380  
 Ile Glu Arg Ile Ala Arg Lys Gly Glu Gln Cys Asn Ile Val Pro Asp  
 385 390 395 400  
 Asn Val Asp Asp Ile Val Ala Asp Leu Ala Pro Glu Glu Lys Asp Glu  
 405 410 415  
 Asp Asp Thr Pro Glu Thr Cys Ile Tyr Ser Asn Trp Ser Pro Trp Ser  
 420 425 430  
 Ala Cys Ser Ser Ser Thr Cys Asp Lys Gly Lys Arg Met Arg Gln Arg  
 435 440 445  
 Met Leu Lys Ala Gln Leu Asp Leu Ser Val Pro Cys Pro Asp Thr Gln  
 450 455 460  
 Asp Phe Gln Pro Cys Met Gly Pro Gly Cys Ser Asp Glu Asp Gly Ser

465                                      470                                      475                                      480  
 Thr Cys Thr Met Ser Glu Trp Ile Thr Trp Ser Pro Cys Ser Ile Ser  
    485                                      490                                      495  
 Cys Gly Met Gly Met Arg Ser Arg Glu Arg Tyr Val Lys Gln Phe Pro  
    500                                      505                                      510  
 Glu Asp Gly Ser Val Cys Thr Leu Pro Thr Glu Glu Thr Glu Lys Cys  
    515                                      520                                      525  
 Thr Val Asn Glu Glu Cys Ser Pro Ser Ser Cys Leu Met Thr Glu Trp  
    530                                      535                                      540  
 Gly Glu Trp Asp Glu Cys Ser Ala Thr Cys Gly Met Gly Met Lys Lys  
 545                                      550                                      555                                      560  
 Arg His Arg Met Ile Lys Met Asn Pro Ala Asp Gly Ser Met Cys Lys  
    565                                      570                                      575  
 Ala Glu Thr Ser Gln Ala Glu Lys Cys Met Met Pro Glu Cys His Thr  
    580                                      585                                      590  
 Ile Pro Cys Leu Leu Ser Pro Trp Ser Glu Trp Ser Asp Cys Ser Val  
    595                                      600                                      605  
 Thr Cys Gly Lys Gly Met Arg Thr Arg Gln Arg Met Leu Lys Ser Leu  
    610                                      615                                      620  
 Ala Glu Leu Gly Asp Cys Asn Glu Asp Leu Glu Gln Val Glu Lys Cys  
 625                                      630                                      635                                      640  
 Met Leu Pro Glu Cys Pro Ile Asp Cys Glu Leu Thr Glu Trp Ser Gln  
    645                                      650                                      655  
 Trp Ser Glu Cys Asn Lys Ser Cys Gly Lys Gly His Val Ile Arg Thr  
    660                                      665                                      670  
 Arg Met Ile Gln Met Glu Pro Gln Phe Gly Gly Ala Pro Cys Pro Glu  
    675                                      680                                      685  
 Thr Val Gln Arg Lys Lys Cys Arg Ile Arg Lys Cys Leu Arg Asn Pro  
    690                                      695                                      700  
 Ser Ile Gln Lys Leu Arg Trp Arg Glu Ala Arg Glu Ser Arg Arg Ser  
 705                                      710                                      715                                      720  
 Glu Gln Leu Lys Glu Glu Ser Glu Gly Glu Gln Phe Pro Gly Cys Arg  
    725                                      730                                      735  
 Met Arg Pro Trp Thr Ala Trp Ser Glu Cys Thr Lys Leu Cys Gly Gly  
    740                                      745                                      750  
 Gly Ile Gln Glu Arg Tyr Met Thr Val Lys Lys Arg Phe Lys Ser Ser  
    755                                      760                                      765  
 Gln Phe Thr Ser Cys Lys Asp Lys Lys Glu Ile Arg Ala Cys Asn Val  
    770                                      775                                      780  
 His Pro Cys  
 785

<210> 208

<211> 1362

<212> DNA

<213> Homo sapiens

<400> 208

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 cccgagtttg aggtggccac ctggatcaaa atcaccctta ttctggtgta cctgatcatc 120  
 ttctgatgag gccttctggg gaacagcgcc accattcggg tcaccaggt gctgcagaag 180  
 aaaggatact tgcagaagga ggtgacagac cacatggtga gtttggttg ctggacatc 240  
 ttggtgttcc tcatcgccat gcccatggag ttctacagca tcatctggaa tcccctgacc 300

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acgtccagct acaccctgtc ctgcaagctg cacactttcc ttttcgaggc ctgcagctac 360
gctacgctgc tgcacgtgct gacactcagc tttgagcgct acatcgccat ctgtcaccac 420
ttcaggtaca aggetgtgtc gggaccttgc caggtgaagc tgctgattgg cttcgtctgg 480
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gtgaacgtgc ccagccaccg ggggtctcact tgcaaccgct ccagcaccgc ccaccacgag 600
cagcccgaga cctccaatat gtccatctgt accaacctct ccagccgctg gaccgtgttc 660
cagtcacgca tcttcgggcgc cttcgtgggc tacctcgtgg tcctgctctc cgtagccttc 720
atgtgctgga acatgatgca ggtgctcatg aaaagccaga agggctcgct ggccgggggc 780
acgcggcctc cgcagctgag gaagtccgag agcgaagaga gcaggaccgc caggaggcag 840
accatcatct tcttgaggct gattgttgtg acattggccg tatgctggat gcccaaccag 900
attcggagga tcatggctgc ggccaaaccc aagcacgact ggacgaggtc ctacttccgg 960
gcgtacatga tctcctccc ctctcggag acgtttttct acctcagctc ggtcatcaac 1020
ccgctcctgt acacggtgtc ctgcgcagc tttcggcggg tgttcgtgca ggtgctgtgc 1080
tgccgcctgt cgctgcagca cgccaaccac gagaagcgc tgccgtaca tgcgcactcc 1140
accaccgaca gcgccgctt tgtgcagcgc ccgttgctct tcgcgtcccg gcgccagtcc 1200
tctgcaagga gaactgagaa gattttctta agcacttttc agagcgaggc cgagccccag 1260
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<210> 209
<211> 453
<212> PRT
<213> Homo sapiens

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<400> 209

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Met Ala Ser Pro Ser Leu Pro Gly Ser Asp Cys Ser Gln Ile Ile Asp
1      5      10      15
His Ser His Val Pro Glu Phe Glu Val Ala Thr Trp Ile Lys Ile Thr
20     25     30
Leu Ile Leu Val Tyr Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn
35     40     45
Ser Ala Thr Ile Arg Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu
50     55     60
Gln Lys Glu Val Thr Asp His Met Val Ser Leu Ala Cys Ser Asp Ile
65     70     75     80
Leu Val Phe Leu Ile Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp
85     90     95
Asn Pro Leu Thr Thr Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr
100    105    110
Phe Leu Phe Glu Ala Cys Ser Tyr Ala Thr Leu Leu His Val Leu Thr
115    120    125
Leu Ser Phe Glu Arg Tyr Ile Ala Ile Cys His Pro Phe Arg Tyr Lys
130    135    140
Ala Val Ser Gly Pro Cys Gln Val Lys Leu Leu Ile Gly Phe Val Trp
145    150    155    160
Val Thr Ser Ala Leu Val Ala Leu Pro Leu Leu Phe Ala Met Gly Thr
165    170    175
Glu Tyr Pro Leu Val Asn Val Pro Ser His Arg Gly Leu Thr Cys Asn
180    185    190
Arg Ser Ser Thr Arg His His Glu Gln Pro Glu Thr Ser Asn Met Ser
195    200    205
Ile Cys Thr Asn Leu Ser Ser Arg Trp Thr Val Phe Gln Ser Ser Ile
210    215    220
Phe Gly Ala Phe Val Val Tyr Leu Val Val Leu Leu Ser Val Ala Phe

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<210> 210
<211> 625
<212> DNA
<213> Homo sapiens
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<400>	210						
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cgtgtacagg	agcgggttga	tgaccgagct	gaggtagaaa	aacgtctcgg	agaagggggag	240	
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catgatctct	cgaatctggt	tgggcatcca	gcatacggcc	aatgtcacia	caatcagccc	360	
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taaatagaata	aaaccataaaa	atatattagcc	cctctgttct	gtgcttactg	gccaggaaat	480	
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<210> 211  
 <211> 1619  
 <212> DNA  
 <213> Homo sapiens

<400> 211  
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 gtgtgaagaa ttccagctga acaacgaactg ctctccccc gagttcattg tgaattgcac 120  
 ggtgaacgtt caagacatgt gtcagaaaga agtgatggag caaagtgccg ggatcatgta 180  
 ccgcaagtc tgtgcatcat cagcggcctg tctcatcgcc tctgccgggt accagtcctt 240  
 ctgctcccca gggaaactga actcagtttg catcagctgc tgcaacaccc ctctttgtaa 300  
 cgggccaagg cccaagaaaa ggggaagtgc tgccctggcc ctgaggccag ggctccgcac 360  
 caccatcctg ttctcaaat tagccctctt ctgggcacac tgctgaagct gaaggagatg 420  
 ccacccctc ctgcattgtt cttccagccc tcgccccaa cccccacct cctgagtga 480  
 gtttctctg ggtgtcctt tattctgggt agggagcggg agtccgtgtt ctctttgtt 540  
 cctgtgcaaa taatgaaaga gctcggtaaa gcattctgaa taaattcagc ctgactgaat 600  
 tttcagtatg tacttgaagg aaggaggtgg agtgaaagt caccctcatg tctgtgtaac 660  
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 ttttgtaag cctccagtgt ccattccatc cctgatgggg gcatagtttg agactgcaga 780  
 gtgagagtga cgttttctta gggctggagg gccagttccc actcaaggct ccctcgcttg 840  
 acattcaaac ttcattgctc tgaaaacat tctctgcagc agaattggtt ggtttcgcgc 900  
 ctgagttggg ctctagtga ctcgagactca atgactggga cttagactgg ggctcggcct 960  
 cgtctgaaa agtgcttaag aaaatcttct cagttctctt tgcagaggac tggcgccggg 1020  
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 ctgaggtaga aaaacgtctc cgagaagggg agggaggatca tgtacgcccg gaagtaggac 1260  
 ctgctccagt cgtgcttggg ttggccgcga gccatgatcc tccgaatctg gttgggcata 1320  
 cagcatacgg ccaatgtcac aacaatcagc cctgggcaga cacgagcagg agggagagac 1380  
 agagaaaaaga aaaacacagc atgagaacac agtaaatgaa taaaaccata aaatatttag 1440  
 cccctctgtt ctgtgcttac tggccaggaa atggtaccaa tttttcagtg ttggacttga 1500  
 cagcttcttt tgccacaagc aagagagaat ttaacactgt ttcaaaccg ggggagttgg 1560  
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<210> 212  
 <211> 1010  
 <212> DNA  
 <213> Homo sapiens

<400> 212  
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 acagccgtg cagcctgggg cagcctccgc tgcctgcgcc tctctgatg cgtttgccct 180  
 ctccctggcc ccgggaactcc gggagaatgt gggctcctagg catcgcggca actttttgcg 240  
 gattgttctt gcttccaagg ctttgccgtg caaatccagt gctaccagt tgaagaattc 300  
 cagctgaaca acgactgctc ctcccccgag ttcatgtga attgcacggt gaacgttcaa 360  
 gacatgtgtc agaaagaagt gatggagcaa agtgccggga tcatgtaccg caagtccctg 420  
 gcatcatcag cggcctgtct catgcctct gcggggtacc agtcttctg ctcccaggg 480  
 aaactgaact cagtttgcac cagctgctgc aacacccctc tttgtaaccg ggccaaggcc 540  
 caagaaaagg ggaagtctct cctcggccct caggccaggg ctccgaacca ccatcctgtc 600  
 cctcaaatta agccctactt ctccgcacac tgcctggaagc ttgaaggagg aaggcaccca 660  
 ctctgcata gtccatccag gcctcgcgcc acacacccca ctccctgaga gagcacgccc 720  
 agggagacca aaaaccggga taggcaacgg accccagac accacaaggg acccgaggac 780  
 aaagacgcag acaactcgcg aaagccaccc acgaatacaa cggcccgaac acagatataa 840

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cgcacgagcc cccgaccgaca agagaagaag cagaagaaac acccacagac agaaacagac 900
accagcaaca agcgaaaaca gcaaaacgac actagcgaga caccacctgc acacaacacc 960
acagcccaac acagaggaca cgacaacaaa gagacagcac caacgacgaa 1010

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<210> 213
<211> 480
<212> DNA
<213> Homo sapiens

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<400> 213
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cagccgggag cccgagcgcg ggcgatgcag gctccgcgag cggcacctgc ggctcctcta 120
agctacgacc gtcgtctccg cggcagcagc gcgggccccca gcagcctcgg cagccacagc 180
cgctgcagcc ggggcagcct ccgctgctgt cgcctcctct gatgcgcttg cctctctccg 240
gccccgggac tccgggagaa tgtgggtcct aggcctcgcg gcaacttttt gcggattggt 300
cttgcttcca ggctttgcgc tgcaaatcca gtgctaccag tgtgaagaat tccagctgaa 360
caacgactgc tcctcccccg agttcattgt gaattgcacg gtgaacgttc aagacatgtg 420
tgagaaagaa gtgatggagc aaagtgcccg gatcatgtac cgcaagtctt gtgcatgata 480

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<210> 214
<211> 1897
<212> DNA
<213> Homo sapiens

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<400> 214
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gggaagtctt gctcggccc tcaggccagg gctccgcacc accatcctgt tcctcaaatt 660
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agaaggggag gaggatcatg tacgcccggg agtaggacct cgtccagtcg tgcttggggt 1560
tggccgcagc catgatcctc cgaatctggg tgggcatcca gcatacggcc aatgtcacia 1620
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gagaacacag taaatgaata aaaccataaa atatttagcc cctctgttct gtgcttactg 1740
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gagagaattt aacactgttt caaaccggg ggagttggct gtgttaaaga aagaccatta 1860
aatgctttag acagtgtaaa aaaaaaaaaa aaaaaaa 1897

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<210> 215
<211> 141
<212> PRT
<213> Homo sapiens

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<400> 215
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Pro Gly Phe Ala Leu Gln Ile Gln Cys Tyr Gln Cys Glu Glu Phe Gln
 20     25     30
Leu Asn Asn Asp Cys Ser Ser Pro Glu Phe Ile Val Asn Cys Thr Val
 35     40     45
Asn Val Gln Asp Met Cys Gln Lys Glu Val Met Glu Gln Ser Ala Gly
 50     55     60
Ile Met Tyr Arg Lys Ser Cys Ala Ser Ser Ala Ala Cys Leu Ile Ala
 65     70     75     80
Ser Ala Gly Tyr Gln Ser Phe Cys Ser Pro Gly Lys Leu Asn Ser Val
 85     90     95
Cys Ile Ser Cys Cys Asn Thr Pro Leu Cys Asn Gly Pro Arg Pro Lys
100    105    110
Lys Arg Gly Ser Ser Ala Ser Ala Leu Arg Pro Gly Leu Arg Thr Thr
115    120    125
Ile Leu Phe Leu Lys Leu Ala Leu Phe Ser Ala His Cys
130    135    140

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